SERVICE MANUAL

AA-2W chassis

MODEL NAME	DESTINATION	REMOTE COMMANDER	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-36FS10	HAWAII	RM-Y168	SCC-S32HA
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	Ε	RM-Y168	SCC-S34E-A
KV-34FV15	Ε	RM-Y171	SCC-S34F-A
KV-34FV15C	Ε	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-36FV15	HAWAII	RM-Y171	SCC-S32JA
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	Ε	RM-Y170	SCC-S34H-A
KV-38FX250	Ε	RM-Y170	SCC-S34M-A
KV-38FX250C	Ε	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A
KV-36XBR250	HAWAII	RM-Y170	SCC-S32KA

ORIGINAL MANUAL ISSUE DATE: 5/1999

Correction-8

ALL REVISIONS AND UPDATES TO T	HE ORIGINAL MAI	NUAL ARE APPENDED TO THE END OF THE PDF FILE.
REVISION DATE	REVISION TYPE	SUBJECT
5/1999	No revisions or upo	dates are applicable at this time.
	Correction-1	A Board Schematic - Critical Component Identified.
	Correction-2	IC002 Part Number Correction
	Correction-3	G Board Schematic Correction
	Correction-4	Correction to Set-up Adjustments
	Correction-5	A Board Schematic Correction
	Correction-6	Addition of Hawaiian models; IC001 Part Number Correction;
		Addition of ITC Assembly Part Number for Hawaiian models.
	Correction-7	Tuner and Terminal labels for rear cover must be ordered separately using the part numbers provided.
	Supplement-1	HZ Board, Picture Tube View, and Electrical Parts List Update

IC643 Part Number Correction

SERVICE MANUAL

AA-2W CHASSIS

<u>MODEL</u>	DEST.	<u>COMMANDER</u>	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	E	RM-Y168	SCC-S34E-A
KV-34FV15	E	RM-Y171	SCC-S34F-A
KV-34FV15C	E	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	E	RM-Y170	SCC-S34H-A
KV-38FX250	E	RM-Y170	SCC-S34M-A
KV-38FX250C	E	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A











SPECIFICATIONS

	-					
			**KV-34FV10			
			**KV-34FV15			
			**KV-34FV15C			**KV-38FV15K
			**KV-34FV15K			*KV-38FX250
		**KV-32FV15	**KV-34FV15T		**KV-36FV15	*KV-38FX250C
	KV-32FS10	*KV-32XBR250	*KV-34FX250C	KV-36FS10	*KV-36XBR250	*KV-38FX250T
Power Requirements	120V,60Hz	120V,60Hz	120-220V,50/60Hz	120V,60Hz	120V,60Hz	120-220V,50/60Hz
Number of inputs/outputs						
Video 1)	3	3	3	3	3	3
S Video 2)	2	2	2	2	2	2
Y, PB, PR 3)	1	1	1	1	1	1
Audio 4)	3	3	3	3	3	3
Audio Out 5)	1	1	1	1	1	1
Monitor Out	1	1	1	1	1	1
TV Out 1) 4)	1	*1/**-	*1/**-	-	*1/**-	*1/**-
S-Link	-	YES	YES	-	YES	YES
Speaker output (W)	10W x 2	15W x 2	15W x 2	10W x 2	15W x 2	15W x 2
Power Consumption (W)						
In use (Max)	190W	200W	200W	190W	200W	200W
In Standby	2W	2W	2W	2W	2W	2W
Dimensions (W/H/D)						
_ (mm)		882 x 687 x 592 mm			975 x 757 x 633 mm	l .
(in)		34 3/4 x 27 x 23 1/4 in		38	3/8 x 29 13/16 x 24 15/1	6 in
Mass						
(kg)		80 kg			107 kg	
(lbs)		176 lbs			236 lbs	

Television system

American TV standard, NTSC

Channel coverage

VHF:2-13 / UHF:14-69 / CATV:1-125

Picture tube

FD Trinitron® tube

Visible screen size

32-inch picture measured diagonally (KV-32FS10, 32FV15, 32XBR250, 34FV10, 34FV15, 34FV15C, 34FV15K, 34FV15T, 34FX250C)

36-inch picture measured diagonally (KV-36FS10, 36FV15, 36XBR250, 38FX250, 38FX250C, 38FX250T, 38FV15K)

Actual screen size

34-inch picture measured diagonally (KV-32FS10, 32FV15, 32XBR250, 34FV10, 34FV15, 34FV15C, 34FV15K, 34FV15T, 34FX250C)

38-inch picture measured diagonally (KV-36FS10, 36FV15, 36XBR250, 38FX250, 38FX250C, 38FX250T, 38FV15K)

Antenna

75 ohm external antenna terminal for VHF/UHF

Supplied accessories

Remote control RM-Y149A (KV-34FV15K, 38FV15K)
Remote control RM-Y168 (KV-32FS10, 34FV10, 36FS10)
Remote control RM-Y170 (KV-32XBR250, 34FX250C, 36XBR250, 38FX250, 38FX250C, 38FX250T)
Remote control RM-Y171 (KV-32FV15, 34FV15, 34FV15C, 34FV15T, 36FV15)
Battery size AA (R6) w/2

Design and specifications are subject to change without notice.

Notes:

- 1) 1 Vp-p 75 ohms unbalanced, sync negative
- ²⁾ Y: 1 Vp-p 75 ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms
- ³⁾ Y: 1.0 Vp-p, 75 ohms, sync negative; P_B: 0.7 Vp-p, 75 ohms; P_R: Vp-p, 75 ohms
- 4) 500 mVrms (100% modulation), Impedance: 47 kilohms
- 5) More than 408 mVrms at the maximum volume setting (variable) More than 408 mVrms (fix); Impedance (Output): 2 kilohms

Optional accessories

Connecting Cables:

RK-74A, VMC-810/820/830HG, VMC-10HG/30HG, VMC-720M, VMC-810S/820S, YC-15V/30V, YC-15/30HG, RK-G69HG, RKC-515HG

TV Stand: SU-32FD2, SU-36FD2, SU-32XBR2,

SU-36XBR2 UV Mixer: EAC-66

(●) ® SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

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BBE and BBE symbol are trademarks of BBE Sound, Inc. and are licensed by BBE Sound, Inc. under U.S. Patent No. 4,638,258 and 4,482,866.

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WARNINGS AND CAUTIONS

CAUTION!

AFTER REMOVING THE ANODE, SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE A SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNEIMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY, LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONTIONNEMENT SUSPECTE.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorlysoldered connections. Check the entire board surface for solder splashes and bridges.
- Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced.
 Be absolutely certain that you have replaced all the insulators.
- Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cords for cracks and abrasion.Recommend the replacement of any such line cord to the customer.
- Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.

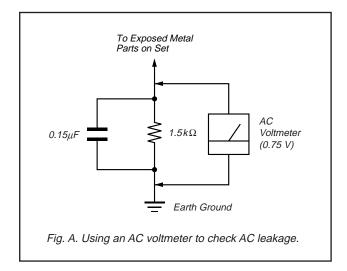
LEAKAGE TEST

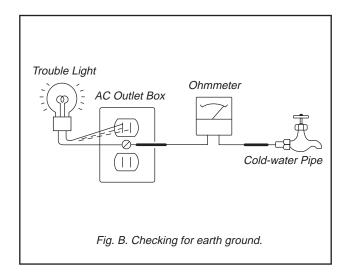
The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampere). Leakage current can be measured by any one of three methods.

- 1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-l00 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)





UNE OO OO

-

(Rear of TV)

For optimum picture quality, use S VIDEO instead of the yellow AVY cable. 5 VIDEO does not provide sound, your audio connectors must still be connected.

Coaxial cable VCR

m

Cable/

GENERAL **SECTION 1**

The page numbers shown reflect those of the Operating Instruction Manual. The instructions mentioned here are partial abstracts from the Operating Instruction Manual.

Connecting and Installing the TV

Making Connections

Refer to the table below, it will direct you to the diagram suitable to the equipment you will be connecting.

If you will be connecting	See page
Cable or antenna only	3
Cable and antenna	3
Cable box	4
Cable box and cable to view scrambled channels	4
VCR and cable or antenna	ıs
VCR and cable box	22
Two VCRs for tape editing	9
Satellite Receiver	7
VCR and Satellite Receiver	7
DVD Player	æ
DVD Player with component video output connectors	æ
Audio system	6
Camcorder to view tapes	6
CONTROLS	10
VCR using S-Link	11
Satellite Receiver using S-Link	11

If your cable provider does not feature local channels, you may find this set up convenient. In order to receive channels with an antenna, you will need to turn your CABLE to OFF and perform the AUTO PROGRAM function, (see page 23). Select CABLE or antenna (ANT) mode by TO CONVERTER (Rear of TV) AUX VHF/UHF pressing ANT on the remote control. (No connection "TO CONVERTER" in this case) Cable and antenna Antenna cable CATV cable (Rear of TV) VHF/UHF (Rear of TV) \$7 EAC-66 U/V mix (not supplied) 300-ohm twin (Reglead cable VF twin lead cable 75-ohm coaxial cable coaxial cable 75-ohm coaxi or • UHF only • VHF/UHF A · VHF only B · VHF only • VHF/UHF or Cable Ή C · VHF and Note about the AC Power Cord The AC power cord is attached to the rear of the TV with hooks. Use caution when removing the AC plug from its holder. Gently slide the cord in the upward direction, without removing the cord from the two lower hooks. **Cable or Antenna Connections** The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see $\bf A$); older homes will probably have 300-ohm twin lead cable (see $\bf B$); still other homes may contain both (see $\bf C$). Connecting directly to cable or an Do not remove the cord from these hooks. You can detach the cord from this hook antenna

VCR Connections

Connecting an antenna/cable TV system with a VCR

- 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 2 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.
- **3** Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the CHANNEL FIX feature, (see page 23).

For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

Cable box and cable

Your Sony remote control can be programmed to operate your cable box,

• When using PIP, you cannot view the AUX input in the window picture.

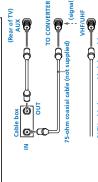
(see page 31).

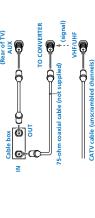
Pressing ANT switches between these inputs.

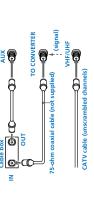
- **2** Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 4 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

AUDIO-R (red) AUDIO-L (white) VIDEO (yellow) ≨ @ 5∯ @ ş Q Cable box UT AUTOR AUDOL VIDEO 4 VCR **1** 5 **2 0 0** m Cable

(Rear of TV) VHF/UHF OUT If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature, (see page 23). 0 9







Connecting and Installing the TV (continued)

Some pay cable TV systems use scrambled or encoded signals that require a cable box to view all channels.

Cable box

Cable Box Connections

2 Using a coaxial cable, connect OUT on your cable box to VHF/UHF on your TV. Connect the coaxial connector from your cable to the IN on your cable box.

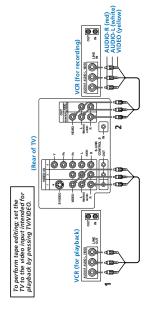
Connecting and Installing the TV (continued)

Connecting two VCRs for tape editing

MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

- 1 Connect the VCR intended for playback using the connection instructions on page 5 of this manual.
- and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and 2 Using A/V connectors, connect AUDIO VIDEO OUT on your TV.

You cannot record signals from equipment connected to the Y, PB, PR input.

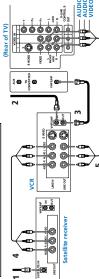


Satellite Receiver Connections

Connecting a satellite receiver

- Connect the cable from your satellite antenna to SATELLITE IN on your receiver. 2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
 - 3 Using A.V connectors, connect AUDIO and VIDEO OUT on your receiver to AUDIO and VIDEO IN on your TV.

(Rear of TV) # @ # @ 2 2 5 0 0 Pressing TV/VIDEO on the remote control will allow you to view from the satellite receiver or VCR. For optimum picture quality, use S VIDEO instead of the yellow AV cable. S Video does not provide sound, your audio connectors must still be connected. ADDR RAUDO VIDEO Satellite receiver



Connecting a satellite receiver and

a VCR

- Connect the cable from your satellite antenna to SATELLITE IN on your receiver. **2** Attach the coaxial connector from your cable or antenna to IN on your VCR.
 - 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.
- 5 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

4 Using A/V connectors, connect AUDIO and VIDEO OUT on your receiver to and VIDEO OUT on your receiver to AUDIO and VIDEO IN on your VCR.

Additional Connections

Connecting an audio system

For an enhanced sound, connect your audio system to your TV.

Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on your stereo.

(Rear of TV)

2 Set your stereo to the chosen Line input and use the AUDIO J menu to set your audio output, (see page 20).

Connecting a camcorder

₽

S VIDEO cable (Rear of DVD player)

Using A/V connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on your TV. This connection is convenient for viewing a picture directly from your camcorder. Tip 💸

— AUDIO-R (red) — AUDIO-L (white)

0 MIDDE WIDDE VIEW

If you are connecting a monaural cancorder, connect only the single white audio output to the left input on your TV.

1 Using A/V cables, connect TV OUT on your TV to TV IN on your A/V receiver. 2 Using A/V cables, connect A/V OUT on

Santo

Tip 💝

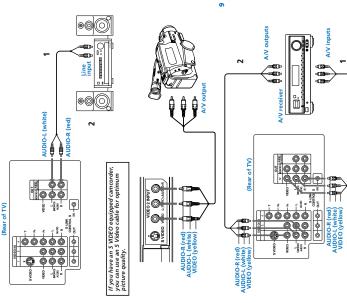
Connecting an A/V receiver

(Rear of TV)

If you will be connecting your A/V receiver to external speakers, you do not need to connect AUDIO OUT on your A/V receiver to AUDIO IN on your TV. your receiver to VIDEO IN on your TV. Note

AUDIO-R (red)
AUDIO-L (white)

You may want to use CHANNEL FIX to fix your TV's input to the A/V receiver (VIDEO 1). (see "CHANNEL SET UP" on page 26)



Connecting and Installing the TV (continued)

DVD Player Connections

Connecting a DVD Player

1 Using audio connectors, connect AUDIO OUT on your DVD player to AUDIO IN on your TV.

Using an SVIDEO cable, connect SVIDEO on your DVD player to SVIDEO on your TV.

Connecting a DVD Player with component video output connectors

This connection option offers the highest quality DVD picture. Except KV-27FV15

- 1 Using AUDIO connectors, connect AUDIO R and L of the LINE OUT on your DVD player to AUDIO R and L on the VIDEO IN 4 panel at the rear of your TV.
- 2 Using three VIDEO connectors, connect Y, Pb, and Pt on the COMPONENT VIDEO OUT on your DVD player to Y, Pb, and Pt on the VIDEO IN 4 panel at the rear of your

Some DVD player terminals may be labeled Y, CB, and CR, or Y, B-Y, and R-Y. If so, connect them by matching the colors.

Using Special Sony Features Using the CONTROL S feature

CONTROL S allows you to control your TV and other Sony equipment with one remote

(Rear of TV)

Using the supplied CONTROL S cable, connect CONTROL S IN on your Sony equipment, (e.g. VCR) to CONTROL S OUT on your TV.

Tip 🥰

You can also program your remote control to operate other equipment, (see page 34).

Using the Vertical Compression

These models use a feature called "vertical compression" to achieve maximum picture quality on widescreen sources, including selected DVDs. This feature compresses the height of each line for a higher resolution of the picture.

To enjoy this feature, set your Sony DVD player to 169 mode. The widescreen source will be automatically detected and displayed with maximum picture quality.

CONTROL S 0 0

Connecting S-Link to a VCR

KV-27FV15, 32FV15, 36FV15 only S-Link automatically powers on the TV and switches to the correct video input when a tape is inserted in the VCR.

Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

VIDE CONTROL OF THE C

Using an S-Link connector (mono mini plug), connect S-LINK on your VCR to S-LINK/CONTROL S-OUT in the same VIDEO IN column on your TV.

OOON A COON A CO

(Rear of TV)

Connecting S-Link to a satellite

KV-27FV15, 32FV15, 36FV15 only
When you power on the satellite receiver,
S-Link automatically powers on the TV and
switches to the correct video input.

The S-Link connector must be in the same VIDEO-IN column as the connected A/V cables.

Satellite receiver

UNE O O O

(Rear of TV)

1 Using A/V connectors, connect AUDIO and VIDEO OUT on your satellite receiver to AUDIO and VIDEO IN on your TV. 2 Using an S-Link connector (mono mini plug), connect S-LINK on your satellite receiver to S-LINK/CONTROL S-OUT in

same VIDEO IN column on your TV. Note

The S-Link feature will override the "SKIP" VIDEO LABEL input, (see page 22).

Using Your New TV

Front panel menu control

Using the remote control move & select buttons

ē⊕ () **#** 0

Insert two size AA (R6) batteries (supplied) by matching the + and – on the batteries to the diagram inside the battery compartment.

Setting up the TV automatically After you have finished connecting your TV, you will want to run AUTO PROGRAM to set The front panel menu controls allow access to

The AUTO PROGRAM feature does not apply for installations that use a cable box for all channel selection.

will bring up the on-screen menus. The arrow buttons, (♣,♦) move the on-screen cursor in the menus and the (♣) button selects the the on-screen menus without the use of a remote control. Pressing the MENU button

menu item.

Select

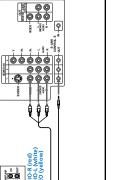
movement of the on-screen (▶) cursor.

Pressing on the outer buttons will cause the cursor to move in the corresponding direction.

Pressing the center button (♣) will select the

Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.

The supplied remote control has "arrow" buttons $(\clubsuit, \blacklozenge, \spadesuit, \spadesuit)$ which allow for



Tip 👸

Using the buttons on the top of the TV:

To reset your TV to factory settings, turn the TV on. Then, while pressing the RESET button on your remote control, press the POWER button on your TV. The TV will turn itself off, then back on.



1 Press POWER to turn on the TV. The initial setup screen appears.

AUTO PROGRAM:[CH+] EXIT: First please connect cable/antenna

- CHANNEL +

Ξ

up your channels.

Tips 🖫

AUTO PROGRAM

7

Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.

If your cable or antenna is connected to AUX, press CH + to run AUTO PROGRAM or press AT until AUX appears next to the channel press CH - to exit.

2

Your remote control can be programmed to operate most video equipment, (see page 29).

Handle the remote control with care.
 Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high.

Basic Set Up Inserting batteries

Using Your New TV (continued)

Watching the TV

The following chart explains on your remote control.

s more advanced buttons		REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART
e White Labeled Buttons for TV Operations	or TV Opera	tions
l you want to turn connected equipment on and off.	nent on and of	

	Using the White Labeled Buttons for TV Operations
VIRON SATORIA (VIEW	Press when you want to turn connected equipment on and off.
TRUCTION TO THE TA	Press when you want to control connected equipment with your remote control, (see pages 29-31 for instructions on programming your remote control).
6-0	Use for direct channel selection. Press 6-9 to select a channel, the channel will change after 2 seconds, or you can press ENTER for immediate selection.
POTURE POSSE	Cycles through the VIDEO MODE settings: VIVID, SPORTS, MOVIE, STANDARD.
dwn	Alternates back and forth between the last two channels selected with the 0-9 keys.
MUTING	Instantly turns off the sound. Press again or press VOL+ to restore sound.
STEEP	Turns the TV off in approximately 30, 60, or 90 minutes. Cancel by pressing until SLEEP OFF appears.
1886	Press to return to factory settings while in the on-screen menus.

4

Using Your New TV (continued)

Using Picture-in-Picture - PIP

KV-27FV15, 32FV15, 36FV15 only These models are equipped with dual tuners. This means that PIP is "ready to use".



- you can control PIP with the yellow labeled buttons. You must press TV (FUNCTION) before
 - The AUX input cannot be viewed in the window picture.

ס	Use the Yellow Labeled Buttons for PIP Operations
 ₽	Displays the window picture. Press again to decrease the size. To cancel, press until the window picture turns off.
TV/VIDEO	Cycles through available video inputs: TV, VIDEO 1, VIDEO 2, VIDEO 3, VIDEO 4
AUDIO	Alternates sound between the main picture and the window picture. A & will appear to indicate which picture is receiving sound.
₹Ç\$Ċ	Changes the channel in the window picture.
POSITION	Moves the location of the window picture.
FREEZE	Press to freeze the window picture. Press again to restore the picture.
SWAP	Switches the position of the main picture with the window picture.

Cycles through the Mutti-channel TV Sound (MTS) options: STEREO, SAP (Second Audio Program), MONO (see page 20). Press when you are finished using a VCR and you want to switch to the TV input. Your VCR power will remain on. Using the White Labeled Buttons for TV Operations Press once to display current time (if set) and channel number. Press again to activate current CAPTION VISION setting. To cancel, press **DISPLAY** until DISPLAY OFF appears. Press repeatedly to cycle through available video inputs: TV, VIDEO 1, VIDEO 2, VIDEO 3 and VIDEO 4 Powers off all Sony equipment at once. This feature may not work with older Sony equipment. Press to change the VHF/UHF input to the AUX input. Cycles through the available audio settings.

Using the Wireless Headphones

Setting Up the Headphones

REFER TO THE ILLUSTRATION
OF THE REMOTE CONTROL ON
THE INSIDE FRONT COVER OF
THIS MANUAL AS YOU REVIEW
THIS CHART

Install the supplied size AA (R6) battery into the headphones.

MODE -

Open the battery compartment lid by pressing and sliding the lid as illustrated.



the compartment with the positive side up and then close the lid. 2 Lift the cover and insert the battery into



- When used continuously, the battery will last:
 up to 40 hours with alkaline batteries.
 up to 20 hours with manganese batteries.
 Replace the battery with a new one when the sound becomes weak.

8

For optimal sound reception, do not cover the infrare, transmitter on the TV or the infrared sensors on the headphones. Tip 🗳

Using the Headphones 5 (+

The Ω icon and channel number are displayed. Press .



To help prevent possible hearing damage due to sudden or prolonged excessive volume, do not set the headphone volume too high while using them.

To prevent possible damage to the infrared transmitter in the television, please press the turn off the headphone feature when the headphones

are not in use.

Power indicator

Turn the power on by placing the headphones securely on your head.

Power indicator

If you only want to listen to the sound from the cordless headphones, turn down the TV speaker volume, or press MUTING. **3** To turn off the headphones, remove them from your head and press ①.

Listening to Sound from a **Main/PIP Picture**

If you want to listen to the sound from the main or window picture through your headphones, select the audio source.



Press (to display a window picture.



2 Press (□).
The ∩ display and channel number appears for about three seconds.

ain Picture audio

• The audio to the headphones will be automatically turned off when the TV is powered off.

Coverage Area of the Infrared Rays

Press again to switch the audio to the

window picture

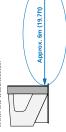
This diagram illustrates the approximate area covered by the infrared rays emitted from the transmitter.

Nindow Picture audio

Use the MENU button to access a menu and use the arrow buttons (♦ or ♦) to alter settings. Use the following example, in which we activate the CABLE, to learn how to modify

Using Your Menus

Learning menu selection



The main menu appears. 1 Press the MENU button.

settings.

• If you use the headphones too far from the TV, you may hear a hissing noise.

Press ◆ or ◆ to highlight the desired menu (in this case SET UP 鬥), and press ⊕ to select it. 6

B SET UP OHANNEL SET UP AND PARENTROL CAPTON VISION: CC1 CAPTON VISION MANOBEL SERIES MANOBEL SERIES MANOBEL SERIES

Tip 👸

Pressing MENU on the remote control will allow you to exit from the meaus at any time.

When you are finished making changes to the selected menu, choose AMENU to return to

4 Press ◆ or ◆ to move to the desired feature and press ◆.

Options for your selection will be highlighted.

VIDEO NATIONAL MANAGEMENT OF THE CONTROL OF THE CON

Move TEB Select TE Exit [63] FAVORITE CHANNEL
CARBLE ON
CHANNEL FIX. OFF
AUTO PROGRAM
CHANNEL SKIP/ADD
CHANNEL CAPTION
CHANNEL CAPTION

5 Press ◆ or ◆ to make your selection and press ←.

3 Press ♠ or ♠ to move to the desired option and press (♣).

| SET UP | PCHARLE SET

B SET UP

CHARLE LET UP

CHARLE LET UP

MOEGON MEEN COT

OLIVER CHARLE

CHARLE CONTROL

CHARLE

love 🕦 Select 🛨 Exit 🖭 FAVORTE CHANNEL CABLE: OFF CHANNEL FIX: OFF AUTO PROGRAM CHANNEL SKIP/ADD CHANNEL CAPTION CHANNEL CAPTION

WINDER JUNE D

POTURE STATE

P

VIVID: Select for enhanced picture contrast and sharpness.
SPORTS: Select for a bright picture.

MODE

Using the VIDEO III menu

To select the VIDEO III menu:

Display

NEN

COLOR Highlight III 4

Press the PICTURE MODE button to access one of the above settings directly. Adjust left to decrease picture contrast and soften the color. Adjust right to increase picture contrast and create more vivid color. Adjust left to decrease color intensity or saturation. Adjust right to increase color intensity or saturation. STANDARD: Select to receive a standard picture. HIGH: Gives the white colors a blue tint.
MEDIUM: Gives the white colors a neutral tint.
NTSC STD: Gives the white colors a red tint. MOVIE: Select for a finely detailed picture. Adjust right to sharpen the picture detail. Adjust left to increase the red tones. Adjust right to decrease the red tones. Adjust left to soften the picture detail. Adjust left to darken the picture. Adjust right to brighten the picture. **ON:** Emphasizes reds and blues. **OFF:** Emphasizes greens. COLOR CORRECT BRIGHTNESS SHARPNESS TRINITONE

Headphones off

Exiting from PIP will return the sound to the main picture.

interrupted. These problems are inherent to IR communication and do not reflect a problem with the TV. If something is between the headphones and the TV, the sound may be

19

The VIDEO menu will allow you to make adjustments to your picture settings. It will also allow you to customize the picture MODE based on the type of program you are viewing.

The AUDIO menu offers enhanced audio options such as listening to second audio programming (SAP), or customizing the EFFECT of the sound on your TV. © ⊕ ¶ □ Now Now No. 1

The TIMER menu sets the clock on your TV and allows you to program your TV for scheduled viewing using the ON/OFF TIMER. IN THE STATE OF TH

Menus shown are for KV-36FV15, your menus may not look exactly like those illustrated.

The SET UP menu provides several options for setting up your channels, labeling your TV/VIDEO inputs, and selecting the LANGUAGE of your menus. The CHANNEL SET UP menu is a sub-menu which provides further options for setting up your TV. © SETUPE SETUP CHANNEY CONTROL PARENTAL CONTROL CANTONE SETUP CANTONE SETUP

The Basic Menu provides quick access to frequently used Escape to Basic Menu

PVIDEO MODE: VIVID PKTURE: PAUDO: SRS ADVANCED MENU Move EE Salect ET Exit ES

ove 🕶 Select 🛨 Exit 🖭

CABLE ON CHANNEL CHANNEL FOR AUTO PROGRAM CHANNEL SKIPADD CHANNEL CAPTION CHANNEL CAPTION CHANNEL CAPTION CHANNEL CAPTION

19

9

- 9 -

Using Your Menus (continued)

Quick start to the menus

The following is a guide to your menus

To select a menu:

2 ----- AM Jh CH....
2 ------ AM Jh CH....
2 MENU Select a posti SUN 12:00 AM
AvveIB Select Ext Ext

DMENU

Using Your Menus (continued)

nu	Adjustmer bars	L: Select
Using the AUDIO J menu	BANANCE O CHICAGO D CHICAG	To select the AUDIO ♪ menu: Display → Highlight ♪ S
-		ř

MBNU

MONO: Select to reduce noise in areas with poor reception.

SAP: Select to listen to bilingual broadcast or other Second Audio Programs (SAP).
STEREO: Select when viewing a broadcast in stereo. separate stereo system. **OFF**: Select to turn off the TV speakers and listen to the TV's sound only through ON: Select to listen to the sound from the TV speakers with or without a SIMULATED: Adds a surround-like effect to mono programs. SRS: Produces a dynamic three dimensional sound for stereo signals. OFF: Normal stereo or mono reception. Adjust left or right to decrease or increase low pitched sounds. Adjust left or right to emphasize left and right speaker balance. AUDIO OUT can only be set when SPEAKER is set to OFF. VARIABLE: Adjust the volume through your TV. FIXED: Adjust the TV volume through a connected stereo. (KV-27FV15, 32FV15, 36FV15 only)

ON: Select to stabilize the volume.

OFF: Select to turn AUTO VOLUME off. Use to control the TV's volume through a stereo **AUTO VOLUME** MTS Multi-Channel sound of audio output AUDIO OUT BALANCE SPEAKER TREBLE EFFECT

Press • or • until the current day is displayed.

Press • or • until the current thour and AMVPM is
displayed. Press © to select
displayed. Press © to select
Any loss of power will cause these settings to be cleared. YES: Select to compensate for Daylight Saving Time. NO: Select at the end of Daylight Saving Time. With the CURRENT TIME SET menu open: ON/OFF TIMER
Wake up or
scheduled viewing CURRENT
TIME SET
Necessary for the
ON/OFF TIMER DAYLIGHT SAVING \overrightarrow{Tip} $\begin{tabular}{ll} \overrightarrow{\nabla} \\ \end{tabular}$ Set DAYLIGHT SAVING before setting the clock To select the TIMER ⊕ menu: THARE OF THARE SET OF THA Highlight 🕒 Display

CURRENT TIME SET must be programmed before you are the ONOPET TIMER.

If those the ONOPET TIMER manu open:

1 Choose the ONOPET TIMER you would like to set and press & Onoper Timer would like to set and press & Onoper Timer would like to set and press & Onoper Timer would like to set and press & Onoper Timer would like to set and press & Onoper Timer would like to set and then Choose the mulutes by to pressing & Onoper Timer would like to set and then Choose the mulutes by topsesting & One and then Choose the mulutes by top resided channel Press Choose the Choose the world then Choose the pressing & Onoper Timer would like to set and then Choose the mulutes by top resided channel Press Choose Choose the Ch

Using the CHANNEL SET UP menn

The CHANNEL SET UP menu is a submenu which provides further options for setting up your TV. (see page 23)

The PARENTAL CONTROL feature provides parents several options for programming the TV to block shows based on their rating. (see pages 25-28).

To select the CHANNEL SET UP Move ⊞ Select ⊕ Exit Exit FAVORITE CHANNEL CABLE: ON CHANNEL R:: OFF AUTO PROGRAM CHANNEL SKIP/ADD CHANNEL CAPTION CHANNEL CAPTION

VIDEO 1: VHS VIDEO 2: GAME VIDEO 3: VIDEO 3 VIDEO 4: VIDEO 4 CAMBAU

With the VIDEO LABEL window open:

1 Press ♦ or ♦ to access the input you want to label and press ⊕ or ♦ to choose the label and press ⊕.

2 Press ♦ or ♦ to choose the label and press ⊕.

Label connected equipment for easy recognition

VIDEO LABEL

B SETUP 2. ORANNEL SETUP CONTROL MELONITROL CONTROL MELONITROL

PARENTAL CONTROL

CHANNEL SET UP

Using the SET UP

Highlight t Display MBN menu:

VIDEO LABEL Options:
VIDEO 1/23: VHS, Brinn, BETA, LD, GAME, SAT, DVD, WEB,
RECEIVER, DTV, SKIP,
VIDEO 4: DVD, DTV, SKIP
If you select SKIP, your TV will skip this connection when you press the TV/MDEO

CC1, 2, 3 or 4: Displays a printed version of the dialog or sound effects of a program, (the mode should be set to CC1 for most programs).

TEXT1, 2, 3 or 4: Displays network/station information presented using either half or the whole screen.

XDS (Extended Data Service): Displays network name, program name, program length, and time of the show if the broadcaster ofters this service.

Closed Captioning and channel information

CAPTION

The FAVORITE CHANNEL feature is not

available for the AUX input.

To select the SET UP 🖶 menu:
Display → Highlight 🖆 → Select

Your remote control can be programmed to operate your cable box. (see page 31)

23

and press ①.

For KV-27FV15, 32FV15, 38FV15 only
For EVENEW is set to ON, a window picture displays your favorite channels as you cycle through the options. Move Etc. Select Etc. 2-6: Select when you want to control all channel selection through a cable box. Select the appropriate channel number (usually 3 or 4) and use the cable box's remote control for selection.

AUX 2-6: Select when a cable box is connected to the AUX input, (see page 4). Pass the AUX button to allemente between.

VIDEO: Select from available video inputs when you have video equipment connected (e.g., satellite receiver) and you want your TV fixed to it. press Œ.

3 Press ♦ or ♦ to access the desired channel and press Œ.

To preview your favorite channels in the window picture, set PREVIEW to ON. ON: Select if you are receiving cable channels with a CATV cable.

OFF: Select if you are using an antenna.

You will need to run AUTO PROGRAM after changing your CABLE settings. PREVIEW: ON Ş 1 Press @ and then & or * to select AUTO or MANUAL. (Selecting AUTO will display the last five channels chosen with the remote control's 0-9 buttons.) 2 Press * or * to move the cursor to 1, 2, 3, 4 or 5 and Using FAVORITE CHANNEL:

List all memora and press Œ, your FAVORITE CHANNEL options will appear.

2 Press ♦ or ₱ to access the channel you want to watch, Instructs the TV to program all receivable channels. AUTO PROGRAM Useful when you have a cable box or satellite receiver connected CHANNEL FIX FAVORITE CHANNEL CABLE

Note

Select from available languages to display all menus in your language of choice. Press ♣ or ♦ to correct any tilt of the picture between +5 and −5 and press ⊕. Select to run a demonstration of on-screen menus. TILT LANGUAGE DEMO

22

20

Using Your Menus (continued)

Using Your Menus (continued)

CHANNEL SKIP/ADD	With the CHANNEL SKIP/ADD window open: 1 Select the desired channel. 2 Press © 10 SKIP or ADD (only one option will be available).	CHANNEL SKIP/ADD SKIP • ADD DMENU	33	
		Use [0-9] or [CH +/-] to select the channel Move EB Select ⊞ Exit	Exit	
CHANNEL CAPTION Label up to 12 channels with their	With the CHANNEL CAPTION menu open: 1 Press © and then + or + to access the desired channel, and press © again. 2 Press + or + to display the first letter or number of the caption and press © to select it. 3 Press © to adviste.	CHANNEL CAPTION POPATION CAPTION CAPTION CAPTION	NON 33	
		Move 🖽 Select 🛨 Exit 🖭	EXE EX	=

TV-Y7.

TV-Y7.

TV-Y6.

TV-Y6.

TV-Y6.

TV-Y6.

TV-Y6.

TV-Y6.

TV-Y6.

TV-Y6.

Select canagory

Move@0 Select ⊞ Select category Move IEE Select TExit fact TV RATINGS
MOVIE RATINGS
UNRATED: VIEW ALL
DMENU (U.S. models only)
VIEW ALL: Allows all unrated programming.
BLOCK TV: Blocks all unrated TV programs.
BLOCK MOVIE: Blocks all unrated movies.
BLOCK ALL: Blocks all unrated programming. Overview of the Ratings Age based options:
TV-Y: All children.
TV-Y: Directed to older children.
TV-G: General Audenra.
TV-G: Parental Guidance suggested.
TV-At: Parents Strongly cautoned.
TV-At: All All Mature Audience only. (U.S. models only)
6. All children.
1V-PG: Directed to older children.
PG-13: General Audience.
R. Parental Guidance suggested
MC-17: No nor under 17 admitted.
X. No nor under 17 admitted. Content based options:
FV: Fantasy Violence.
ES suggestive Dialogue.
L: Strong Language.
S: Sexual situations.
V: Violence. Block programs by their rating, content or both MOVIE RATINGS Block programs or movies that are broadcast without a rating TV RATINGS UNRATED

This table provides a brief overview of the ratings systems available for the PARENTAL CONTROL feature. For detailed information on how to change your TV rating, see pages 27-28. The content ratings will increase

The Parental Guideline

Rating System

depending on the level of the age-based rating. For example, a program with a TV-RQ V (Violence) rating may contain moderate violence, while a TV-14 v (Violence) rating may contain more

 If you choose to block unrated TV
programs, please be aware that the
following programs may be blocked:
emergency broadcasts, political programs,
sports, news, public service
amouncements, religious programs and
weather. intense violence.

You will be asked to enter a 4-digit password for any future access into the PARENTAL CONTROL menu.

Using the PARENTAL CONTROL

menn

ENGLISH RATINGS

Overview of the Ratings

Using Your Menus (continued)

In order to change the RATING you will need to set PARENTAL LOCK to ON.

5 Forin the cursor at PARENTAL LOCK and press €. Fress ◆ or ◆ to ON and press €. 3 Press ← and use the 0-9 buttons to enter your 4-digit password.



ARENTAL CONTROL

This section shows you how to access the PARENTAL COVITROL ment. After you follow the example below, the next section shows you how to adjust your IV's rating.

1 Press MENU and select the SET UP 🖻

FRENCH RATINGS

PARENTAL LOCK: ON RATING: CHILD CHANGE PASSWORD PARENTAL CONTROL

See pages 25-26 for an overview of the Parental Guideline ratings. Use the [0-9] buttons to enter a new four-digit password Move LEB Select ⊞ Exit Leb PASSWORD: ---

000 0000 0000

Move **U** € Select ⊕ Exit tas

4 Confirm your password by entering it again.

(Canadian models only)
Please see TV RATINGS on page 25 for information on U.S.A. RATINGS.

U.S.A. RATINGS
For programs from the
United States

(Canadian models only)

(Canadian models only)

8 ans+: Not recommended for young children.
13 ans+: Not recommended for ages under 13.
16 ans+: Not recommended for ages under 16.
18 ans+: Programming restricted to adults.

FRENCH RATINGS
For Canadian programs
that are broadcast in

(Canadian models only)
CAI children.
CB+: Children 8 years and older.
GB-: General programming.
PG: Parental Guidance.
14+: Viewers 14 and older.
18+: Adult programming.

ENGLISH RATINGS

PASSWORD: XXX ARENTAL CONTROL Confirm password 0000 0000 0000

Keep this instruction manual in a safe place. In the event that you forget your password, please see page 33.

Tip 👸

Once your password is set correctly, you will be taken into the PARENTAL CONTROL menu. Move ELB Select ⊕ Exit

27

B SET UP
CHANGEL SET 2 Point the cursor to PARENTAL CONTROL and press 🚓.

| SET UP | CHANNEL | CHANNE

6

24

Press ▲ Press 📭 Press .

29

playback. To resume normal playback, release the button. To resume normal playback, press again or press ▶.
Press ▶▶ or ◄◄ during

Press TWVTR.

Using Your Menus (continued)

Setting the TV's RATING

This section provides information on how to set the TV's RATING and how to change your password.



Entering your password to view a blocked program will temporarily turn PARENTAL LOCK to OFF. To reactivate your PARENTAL CONTROL settings, turn the TV off then back on; the TV will restore your rating settings.

		ı
PARENTAL LOCK Tums ratings on/off	ON: Select to activate the RATING. OFF: Turns off current ratings.	
RATING	If you are not familiar with the Parental Guideline rating system, you should use one of the following presedend categories to help simplify the rating selection.	
	CHILD: TV-Y, TV-G, G (U.S. models only),	
	TV-Y, G (Canadian models only). YOUTH: TV-PG, PG (U.S. models only), CANGE PASSWORD	
	ils only).	
	TV-14, 14+, 13 ans+ (Canadian models only). Move 100 Select ⊕ Exit 100	
	CUSTOM: If you prefer to set more restrictive ratings, highlight CUSTOM and press ←. See pages 25-26, for an overview of the rating systems available.	
	In the CUSTOM RATINGS menu:	
	 Select the desired rating category and press . 	_
	2 Press ♦ or • to select the maximum rating or content and press .	_
	3 Press ♦ or ♦ to block or unblock the rating or content and press	_
	Unce you have blocked a rating or content, all nigner ratings of contents will be automatically blocked.	
	To view a blocked program:	_
	Press ENTER on the remote control, then use the 0-9 buttons to enter your	_
	password.	_
CHANGE	To reset your password:	
PASSWORD	1 Move the cursor to CHANGE PASSWORD press ⊕.	_
	2 Use the 0-9 buttons to create a new password, enter again to confirm.	_
	In the event that you forget your password, see page 33.	_

Operating Video Equipment

remote
the
amming
Progra

314, 336, 338, 337 309, 308 312, 311 327, 328, 335, 331, 332 314, 330, 336, 337

ress VTR/DVD (POWER).

Press the 0-9 buttons. Buttons on the remote control

Press CH +/-.

You can use the supplied remote control to operate Sony or non-Sony video equipment.

1 Press CODE SET. 2 Press VTR/DVD (FUNCTION).
3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart.

VCR code numbers 4 Press ENTER.

		ì
Manufacturer	Code	a a
Sony	301, 302, 303	둡
Admiral (M. Ward)	327	뒵
Aiwa	338, 344	ĕ
Audio Dynamic	314, 337	ð
Broksonic	319, 317	8
Canon	309, 308	
Citizen	332	Re
Craig	302, 332	တိ
Criterion	315	Sa
Curtis Mathes	304, 338, 309	Sa
Daewoo	341, 312, 309	တိ
DBX	314, 336, 337	တ်
Dimensia	304	တ်
Emerson	319, 320, 316, 317, 318, 341	Š
Fisher	330, 335	Ś
Funai	338	Ś
General Electric	329, 304, 309	Ó
Go Video	322, 339, 340	Ë
Goldstar	332	Ë

330, 314, 336, 337, 346, 346, 346, 346, 346, 346, 346, 346	88 88 89 99	308,9	309, 309, 310,	335,	325, 325,	315 338, 327 338	308, 309, 338, 310 338	314, 336, 337
309, 305, 304, 336, 336, 332, 332,				309	313, 321,	M. Ward)		
instant Replay UC Penney UC Penney UC Renwood LXI (Sears) Magnavox Marantz Marta Marta Mannotex Mitsubishi/MGA	NEC Olympic Optimus Panasonic	bs eer sax	Quasar RCA/PROSCAN	Realistic Sansui Samsund	D	Shintom Signature 2000 (M. Ward) SV2000	Sylvania Symphonic Tachiro	
Instant F JC Penr JC Penr JVC Kenwoo LXI (Sea Magnaw Marantz Marantz Memore Minotta Minotta		Pentax Philco Philips Philips	37 Quasar 17 RCA/PI 38			34 Shintom 11 Signatur 35 SV2000		72 Tatung
	17	11227	200	m m =	0000	~ ÷ ~	× ~ >	¥ ~

Ι	Hitachi			306	306 304 305 338	305	338	Teac
	olay				3	309	308	
	JC Penney	309, 305, 304, 330, 314, 336, 337	304,	330,	314,	336,	337	Toshib
	poon	5	ŝ	314,	336,	332,	337	
	s)		332,	305	330	335,	338	
	×c				308,	309,	310	
	Į				314,	336,	337	
							332	Oners
2.	Wemorex					309	332)
-	Minolta					305,	304	
2.	Mitsubishi/MGA			323,	323, 324,	325,	326	To turr
2	Multitech				325,	338	321	To sele
2	NEC .				314,		337	channe
J (Olympic					308,	308	T of
) (chunds			0	0	0	227	
ıι	Panasonic			308, 309, 306, 3	309,	300	30,	channe
1 (Pentax					302	304	To red
1	Philos					308	308	
D 1	Philips				308,	309	310	F
п.	Pioneer						308	lo pla
اف	Quasar				308	309	306	To sto
nz	RCA/PROSCAN		304	304, 305, 3	308	308, 309,	311,	Tofaci
- 1	:		1	312,	313, 310,	310,	329	2
Y I	Realistic	309,	309, 330,	328,	335,	324,	338	lo rew
(1)	Sansui						314	To par
(1)	Samsung				322,	313,	321	-
(1)	_					330	332	
S		312, 313, 321, 335, 323, 324,	335,	323,	324,	325,	326	
S	Sharp					327,	328	To sca
S	Shintom						315	
S	Signature 2000 (M. Ward)	M. Ward)				338,	327	
S	SV2000							
	Sylvania			308	308, 309, 338,	338,		F
S	Symphonic						338	lo cha
	Tashiro							mode
	Tatung				314,	314, 336,	337	

Programming the remote

DVD (Digital Versatile Disc)

code numbers

Manufacturer

Panasonic Pioneer RCA

704, 710 702

Manufacturer Sony Panasonic Pioneer code numbers

When you remove the batteries, the code number may revert to the factory setting.

equipment's own remote control.

In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the

Tips 🖫

The code numbers for Sony VCRs are assigned at the factory as follows:

Foshiba

You can program the supplied remote control to operate a cable box or satellite

751 753 752 755 755

- 1 Press CODE SET.
- 2 Press SAT/CABLE (FUNCTION).
- following chart.

Press VTR/DVD (POWER).
Press ►.

Buttons on the remote control

Operating a DVD player

Press VTR/DVD (POWER).
Press ▶. Buttons on the remote control

To turn on or off To play To stop To pause

301 (preset code for the supplied remote control)

VHS VCR

302 303

Beta, ED Beta VCRs

8 mm VCR

Operating a Laserdisc

o turn on or off

To play

4 Press ENTER.

If the remote control doesn't work

Cable box code numbers

First, try repeating the setup procedures using the other codes listed for your equipment. If more than one code number is listed, try
entering them one by one until you come to
correct code for your equipment. Tips 👺

- If you enter a new code number, the code nun you previously entered at that setting is eras
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's supplied remote control.
 - Whenever you remove the batteries the code numbers may revert to the factory setting.

t Replay nney	309, 305,	304,	330,	314,	309, 308 309, 308 330, 314, 336, 337	308	Technics
	314,	336,	337,	345,	346,	347	Wards
	332, 336, 336, 337, 337, 338	332.	305,	30,00	335,	338	ramana Zenith
				308,	309	310	
				314,	336,	337	
					309.	332	Operating a VCR
					305	304	
ishi/MGA		.,	323,	323, 324, 3	325,	326	To turn on or off
				325,	338	321	To select a
				314	300	337	channel directly
						327	To change
		.,	308,	308, 309,	306,	307	channels
					302	304	To record
				308	900	310	
						308	To play
-			- 1	308,	309	306	To stop
Ä		304, 305, 308, 309, 311,	3,5	308,	309,	371,	To fast forward
	309	330,	328,	335,	324,	338	To rewind the tape
				322	24.5	314	To pause
				ĺ	330	335	
312,	312, 313, 321, 335, 323, 324,	335,	323,	324	325,	326	
					327,	328	To scan
9					0	315	
3	ure zooo (ivi. ward)				o o	338	
			308,	309,	308, 309, 338, 310	310	
						338	To change input

Press ▼ and ● simultaneously.

Operating a Cable Box or Satellite Receiver

- **3** Use the **0-9** buttons to key in the manufacturer's code number from the

For more details on operating the cable box or satellite receiver

To resume normal playback, press again or press ▶.

Press ▶▶ or ▲▲ during

To scan

Press CH+/-.

To search the chapter forward or backward

Tip 🖫

Press II.

To resume normal playback,
press again or press ►.

Press ► or ← during
playback.
To resume normal playback,
press ►.

To scan

Refer to the operating instructions that were supplied with the equipment.

playback. To resume normal playback, press ▼.

	Manufacturer	Code
	Hamlin/Regal	222, 223, 224, 225, 226
	Jerrold/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
	Oak	227, 228, 229
the	Panasonic	219, 220, 221
	Pioneer	214, 215
umper	Scientific Atlanta	209, 210, 211
sed.	Tocom	216, 217
perate	Zenith	212, 213

numbers
code
receiver
Satellite

Manufacturer	Code
Sony	801 (preset code for remote control)
General Electric	802
Hitachi	802
Hughes	804
Panasonic	803
RCA/PROSCAN	802, 808
Toshiba	806, 807

Press to display DVD menu.
Use your arrow buttons

To move cursor in

MENU

If you will not be programming a satellite receiver or cable box into the SATYCABLE function of your remote, you can use it to program other video equipment (e.g. DVD, MDP, or second VCR).

0-9 + ENTER. Press CH +/-.

To select chapters To search the chapter forward or

3

30

28

Operating Video Equipment (continued)

Specifications

Remote control RM-Y168 (KV-32FS10, 36FS10 only), RM-Y171 (KV-27FV15, 32FV15, 36FV15 only)(1)
Batteries size AA (R6) (2)

Optional accessories

Supplied accessories

Troubleshooting

Consult the table below; it suggests solutions to specific problems.

Problem	What it could be	What you can do
You want to restore the TV's factory settings		is rist turn the Yoo. Then while pressing the RESET button on the remote control, press the POWER button on the TV. The TV will turn itself off and then back on When the TV turns on again, all settings will be reset, and then initial setup screen will appear.
A red light keeps flashing on the TV for more than a few seconds	Your TV may need service.	Call your local Sony service center.
TV makes a noise when turned on	TV makes a noise when turned on • This is a normal function of your TV.	
Screen is not lit and there is no sound	Power cord may not be plugged in. Renote control. Renote control batteries may not be inserted correctly. TV/NIDEO setting may be incorrect. CONTROL settings. CONTROL settings.	Check your power cord. Re-insert the batteries in your remote control. Press TV/VIDEO until you receive a channel. Check your PARENTAL CONTROL settings, (page 28).
Poor or no picture (screen lit), good sound	VIDEO menu settings may not be adjusted correctly. Antenna Cable connections may be fallity. VIDEO LABEL inputs may be set to WEB. (This label darkens the screen for ideal WebTV viewing)	Readjust your VIDEO menu settings, (page 19). Check your VIDEO LABEL settings, (page 22).
Good picture, no sound	Sound may be set to MUTING. Your TV may be set to SAP. SPEAKER may not be set correctly.	Press MUTING. Check the MTS setting in the AUDIO menu, (page 20). Check your SPEAKER settings, (page 20).
No color	Color settings may not be adjusted correctly.	• Adjust the COLOR settings in the VIDEO menu, (page 19).
Only snow and noise appear on the screen	CABLE may not be set correctly in the CHANNEL SET UP menu. Antenna/cable connections may not be correct. IV may be set to AUX mode.	Ensure that you have selected the correct CABLE mode in the CHANNEL SET UP menu, (page 23). Press ART on your remote control to change the input mode, (page 15).

Problem	What it could be	What you can do
Carnot receive upper channels (UHF) when using an antenna	CABLE setting may not be correct in the CHANNEL SET UP menu.	Ensure that CABLE is set to OFF in the CHANNEL SET UP menu, (page 23). Use AUTO PROGRAM to add receivable channels that are not presently in TV memory, (page 23).
Cannot receive any channels when using cable	CABLE setting may not be correct in the CHANNEL SET UP menu.	Ensure that CABLE is set to OFF in the CHANNEL SET UP menu, (page 2). Use AUTO PROGRAM to add receivable channels that are not presently in TV memory, (page 23).
Cannot gain enough volume when using a cable box	Volume may not be adjusted on your cable box.	• Use the remote control supplied with the cable box.
TV is fixed to one channel	CHANNEL FIX settings may not be correct.	 Check your CHANNEL HX settings, (page 23).
Lost password for PARENTAL CONTROL		• In the password screen, enter the following master password: 4357. The master password cannot be used to unlock currently

Connecting cables RK-74A, RK-G89HG, VMC-10HG, VMC-720M, VMC-810S/820S, YC-15V/30V
TV Stand SU-27FD2, SU-32FD2, SU-36FD2

U/V mixer EAC-66

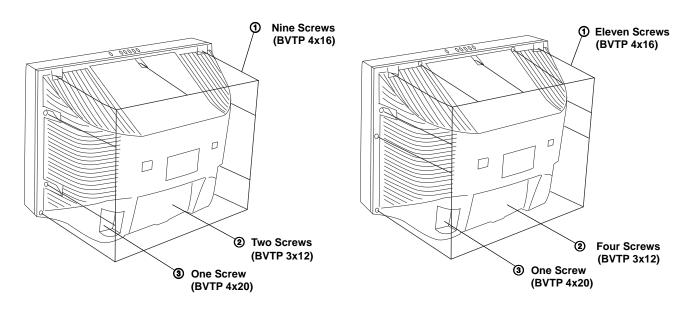
If, after reading these operating instructions, you have additional questions related to the use of your sony television please call our Direct Keaponse Center at 1-800-222-50/VY (7669)(U.S., residents only). or vit(6) 948-950/VY (7669)(Canadian residents only).

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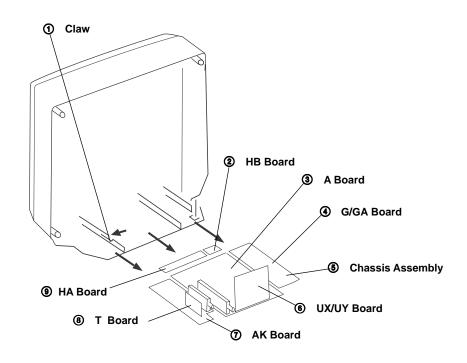
SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

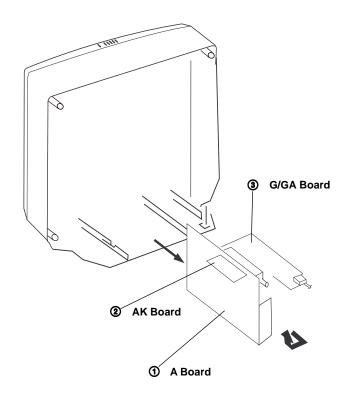
(KV-32FS10/32FV15/32XBR250/34FV10 34FV15/34FV15C/34FX250C/34FV15K/34FV15T) (KV-36FS10/36FV15/36XBR250 38FX250/38FX250C/38FX250T/38FV15K)



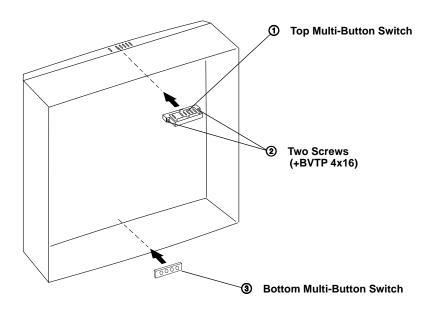
2-2. CHASSIS ASSEMBLY REMOVAL



2-3. SERVICE POSITION



2-4. MULTI-BUTTON SWITCH REMOVAL

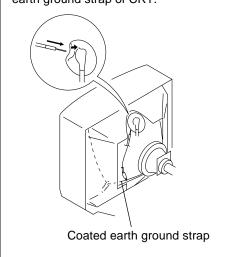


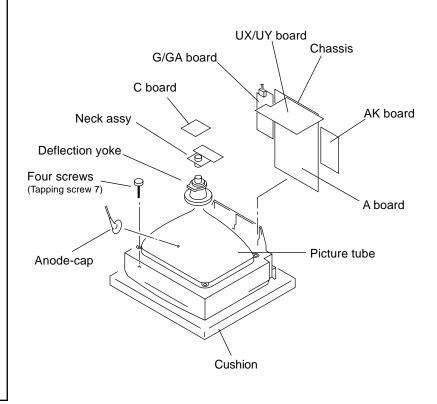
2-5. PICTURE TUBE REMOVAL

WARNING -- Before removing anode-cap:

High voltage remains in the CRT even after the power is disconnected.

To avoid electrical shock, discharge CRT <u>before</u> attempting to remove the anodecap. Short between anode and coated earth ground strap of CRT.



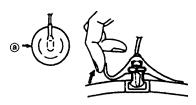


ANODE-CAP REMOVAL

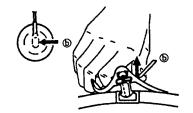
WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electrical shock, discharge CRT <u>before</u> attempting to remove the anode-cap. Short between anode and coated earth ground strap of CRT.

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield, or carbon painted on the CRT.

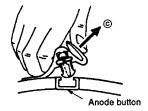
REMOVAL PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by arrow ⓐ.



② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ⑤.



③ When one side of the rubber cap separates from the anode button, the anodecap can be removed by turning the rubber cap and pulling it in the direction of arrow (c).

HOW TO HANDLE AN ANODE-CAP

- ① Do not use sharp objects which may cause damage to the surface of the anode-cap.
- ② Do not squeeze the rubber covering too hard to avoid damaging the anode-cap. A material fitting called a shatter-hook terminal is built into the rubber.
- ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.





SECTION 3 SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted:

PICTURE control normal

BRIGHTNESS control normal

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. Screen (G2)/White Balance

Note: Test Equipment Required:

- 1. Color Bar Pattern Generator
- 2. Degausser
- 3. DC Power Supply
- 4. Digital Multimeter
- 5. Oscilloscope
- 6. CRT Analyzer

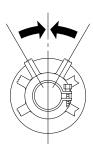
3-1. BEAM LANDING

Preparation:

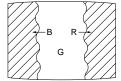
- Input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.

NOTE: Do not use the hand degausser because it magnetizes the CRT.

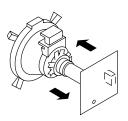
- 1. Input white pattern from pattern generator.
- 2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



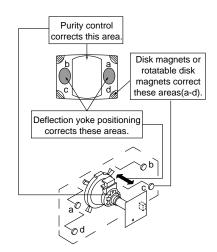
- 3. Input green pattern from pattern generator.
- 4. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are even on both sides.



5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.



- 6. Switch over the raster signal to red and blue and confirm the condition.
- 7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
- 8. When landing at the corner is not right, adjust by using the disk magnets.



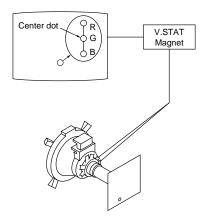
3-2. CONVERGENCE

Preparation:

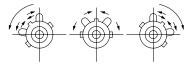
- Before starting, perform FOCUS, V. LIN and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Input dot pattern.

(1) <u>Vertical and Horizontal Static Convergence</u>

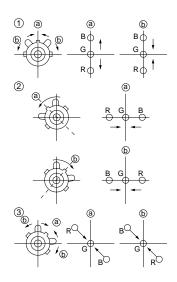
1. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)



Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



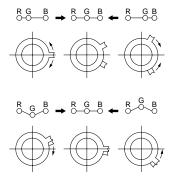
2. When the V. STAT magnet is moved in the direction of arrow (a) and (b), red, green, and blue dots move as shown below:



Operation of BMC (Hexapole) Magnet

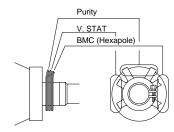
The respective dot positions resulting from moving each magnet interact, so perform adjustment while tracking.

Use the VSTAT tabs to adjust the red, green, and blue dots so they line up at the center of the screen (move the dots in a horizontal direction.)



Y Separation Axis Correction Magnet Adjustment

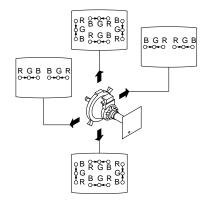
- 1. Input cross-hatch pattern, adjust PICTURE to minimum and BRIGHTNESS to normal.
- Adjust the deflection yoke upright so it touches the CRT.
- 3. Adjust so that the Y separation axis correction magnet on the neck assembly is symmetrical from top to bottom (open state).



4. Return the deflection yoke to its original position.

(2) Dynamic Convergence Adjustment

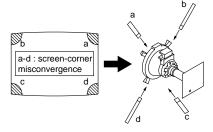
- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- 3. Move the deflection yoke for best convergence as shown below:



- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.

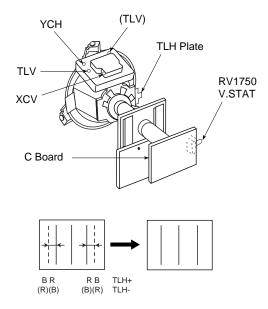
(3) Screen-corner Convergence

Affix a permalloy assembly corresponding to the misconverged areas:



(4) TLH Plate Adjustment

- Input crosshatch pattern
- Adjust PICTURE QUALITY to standard, PICTURE and BRIGHTNESS to 50%, and OTHER to standard.
- Adjust the Horizontal Convergence of red and blue dots by tilting the TLH plate on the deflection yoke.



- 1. Adjust XCV core to balance X axis.
- 2. Adjust YCH VR to balance Y axis.
- Adjust vertical red and blue convergence with V.TILT (TLV VR.)

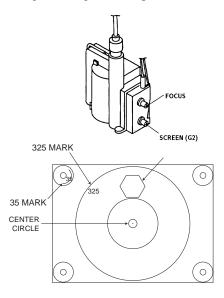
Perform adjustments while tracking items 1 and 2.

(5) H Center SW Adjustment

• Before adjusting H Center SW (S501, S502), make sure that HPOS data is "7".

3-3. FOCUS

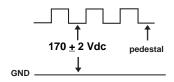
- 1. Input Monoscope signal.
- 2. Set user controls to normal.
- 3. Set Video mode to STANDARD.
- 4. Set the PICTURE to maximum.
- 5. Adjust FOCUS control for best picture at center circle.
- 6. Then receive an entire white signal. Make sure Magenta Ring is at acceptable level



3-4. SCREEN (G2)

- 1. Input signal from the pattern generator.
- 2. Set the user controls to NORMAL.
- 3. Attach the G2-Jig to the C Board.
- Adjust RCUT, GCUT, BCUT, and SBRT in service mode with an oscilloscope so that voltages on the red, green, and blue cathodes are 170 ± 2 V DC.
- 5. Observe the screen and adjust SCREEN (G2) VR to obtain the fairly visible background of dot signal.
- 6. Push the TEST +JUMP (+ Channel) to cut off the signal, then the screen is bright or dark. Brightness of raster must be increased when adjusting.

- Adjust screen VR until the screen is just cut off, or scarcely lights up. A signal cannot be seen when the brightness of the raster is high.
- 8. Push the JUMP again to release the cut off.



3-5. WHITE BALANCE ADJUSTMENTS

NO.	Disp.	Item	All Models
24 25 26 27 28 29 38	RDRV GDRV BDRV RCUT GCUT BCUT SBRT	Red Drive Green Drive Blue Drive Red Cut-off Green Cut-off Blue Cut-off Sub Bright	31 31 31 7 7 7

- Set program palette to "STANDARD" and push "RESET.
- 2. Input an entire white signal.
- 3. Set to Service adjustment Mode.
- 4. Set the PICTURE and BRIGHT to minimum.
- 5. Adjust with SBRT if necessary.
- 6. Set RCUT to "14".
- 7. Select GCUT and BCUT with **1** and **4**.
- 8. Adjust with **3** and **6** for the best white balance.
- 9. Set the PICTURE and BRIGHT to maximum.
- 10. Select GDRV and BDRV with **1** and **4**.
- 11. Adjust with **3** and **6** for the best white balance.
- 12. Write into the memory by pressing $\boxed{\text{MUTING}}$ then $\boxed{\text{ENTER}}$ **.

NOTE:

White Balance should be adjusted after Sub Contrast because RDRV is also used in Sub Contrast adjustment. (See page 29)

SECTION 4 SAFETY RELATED ADJUSTMENTS

■ R530, R531 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

Always perform the following adjustments when replacing the following components marked with a \square mark on the schematic diagram:

A BOARD: IC355, IC501, D302, D519, D520, D521, C531,

C532, Q301, R356, R359, R361, R387, R529,

R530, R531, R532, R533, R550, T503

G BOARD (KV-32FS10, 32FV15, 32XBR250, 36FS10,

36FV15, 36XBR250): IC643, R661

GA BOARD (KV-34FV10, 34FV15, 34FV15C, 34FV15K, 34FV15T, 34FX250C, 38FV15K, 38FX250, 38FX250C,

38FX250T): IC6003, R6088

Step 1 Preparation before Confirmation

Turn the POWER switch ON.

Input a white signal and set the PICTURE and BRIGHT controls to maximum.

Confirm that, when the set is operating normally, the voltage at check terminal TP85 is more than 23.0 V DC.

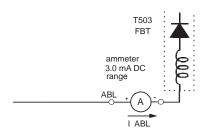
At AC input: $120.0 \pm 2.0 \text{ VAC}$

Step 2

Input a white signal and verify that I ABL is within the specified range: $2062.5 + 100 \mu A$,

 $+B = 135.5 \pm 1 \text{ VDC}$.

At AC input: $120.0 \pm 2.0 \text{ VAC}$



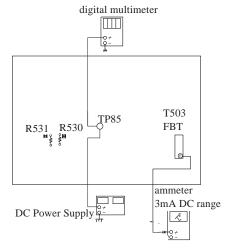
Step 3

Record the voltage between TP85 and ground.

Step 4

Using an external DC power supply, apply voltage between TP85 and ground.

Increase the voltage gradually and confirm that the holdown works (raster disappears) at lower than the voltage recorded in Step 3.



32" Lower than $26.95 \pm (-0.1)$ V DC.

At AC input: $120.0 \pm 2.0 \text{ VAC}$

36" Lower than $22.05 \pm (-0.1)$ V DC.

At AC input: $120.0 \pm 2.0 \text{ VAC}$

A BOARD - CONDUCTOR SIDE

Step 5

Confirm that a voltage appears between TP85 and ground, of more than 23.0 V DC.

At AC input: $120.0 \pm 2.0 \text{ VAC}$

B+ VOLTAGE CONFIRMATION AND ADJUSTMENT

Always perform the following adjustments when replacing the following components marked with

on the schematic diagram:

G BOARD (KV-32FS10, 32FV15, 32XBR250, 36FS10, 36FV15, 36XBR250): IC643, R661
GA BOARD (KV-34FV10, 34FV15, 34FV15C, 34FV15K, 34FV15T, 34FX250C, 38FX250T): IC6003, R6088

- 1) Using Variac, apply AC input voltage: $130.0 \pm 2.0 \text{ VAC}$
- Input a monoscope signal.
- Set the PICTURE control and the BRIGHT control to initial reset value.
- 4a) (G Board Models) Confirm the voltage of G Board CN641 between pin ① to ground on "G" PWB is less than $136.5\pm1.0~V$ DC.
- 4b) (GA Board Models) Confirm the voltage of GA Board CN6007, between pin ① to ground on "GA" PWB is less than 136.5 ± 1.0 V DC.
- 5a) (G Board Models) If step 4a is not satisfied, replace R661 and repeat the above steps.
- 5b) (GA Board Models) If step 4b is not satisfied, replace R6088 and repeat the above steps.

SECTION 5 CIRCUIT ADJUSTMENTS

ELECTRICAL ADJUSTMENT BY REMOTE COMMANDER

Use Remote Commander (RM-Y149A, RM-Y168, RM-Y170, RM-Y171) to perform the following circuit adjustments:

NOTE: Test Equipment Required:

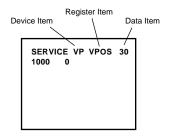
- 1. Pattern Generator
- 2. Frequency Counter
- 3. Digital Multimeter
- 4. Audio OSC

5-1. Method of Setting the Service Adjustment Mode

SERVICE MODE PROCEDURE

- 1. Standby mode. (Power off)
- DISPLAY → 5 → VOL (+) → POWER on the Remote Commander.
 (Press each button within a second.)

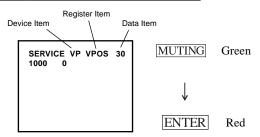
SERVICE ADJUSTMENT MODE IN



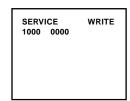
- 3. The CRT displays the item being adjusted.
- 4. Press 2 or 5 on the Remote Commander to select the device item.
- 5. Press 1 or 4 on the Remote Commander to select the item.
- 6. Press **3** or **6** on the Remote Commander to change the data.
- 7. If you want to recover the latest values press ① then ENTER to read the memory.
- 8. Press MUTING then ENTER to write into memory**.

NOTE: If the NVM is replaced, perform test and reset, then download from microprocessor to NVM to prevent loss of picture.

SERVICE ADJUSTMENT MODE MEMORY



9. Press 8 then ENTER on the Remote Commander to reset.



Carry out step 9) when adjusting IDs 0 to 4 and when replacing and adjusting IC102.

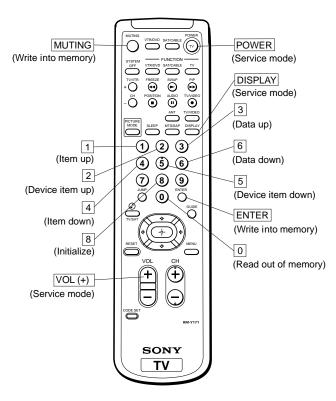
Factory original setting

10. Turn set off and on to exit.

5-2. Memory Write Confirmation Method

- 1. After adjustment, pull out the plug from the AC outlet, then replace the plug in the AC outlet again.
- 2. Turn the power switch ON and set to Service Mode.
- 3. Call the adjusted items again to confirm they were adjusted.

5.3. Adjust Buttons and Indicator



RM-Y171

**WARNING: Do NOT turn off the power or AC immediately after pressing MUTING then ENTER. Wait at least 10 seconds.

5-4. Service Data

No.	Register	Description	Data	Adj/Fix	Initial	Average	Comments
	Name	2000.1910.11	Range	, wyn isc	Data	Data**	Comments
	Name		range		Data	All Models	
		VD CVA2424C				All Models	
	LIDOS	VP CXA2131S	0.04			-	
2	HPOS HSIZ	Horizontal Position Adjust	0-31 0-31	Fix Fix	7 10	7 10	
3	VBOW	Horizontal Amp Adjust VRT Line Bowing Adjust	0-31	Fix Fix	6	6	
4	VANG	VRT Line Bowing Adjust	0-15	Fix	5	5	
5	TRAP	Horizontal Trapezoid Adjust	0-15	Fix	6	6	
6	PAMP	Horizontal Pin Distort Adjust	0-13	Fix	32	32	
7	UCPN	Upper Pin	0-63	Fix	36	36	
8	LCPN	Lower Pin	0-63	Fix	36	36	
9	VSIZ	Vertical Amplitude Adjust	0-63	Fix	0	0	
10	VPOS	Vertical Position Adjust	0-63	Fix	31	31	
11	VLIN	Vertical Linearity Adjust	0-15	Fix	7	7	
12	VSCO	S-Correction	0-15	Fix	7	7	
13	VZOM	16:9 CRT Z Mode On/Off	0,1	Fix	0	0	
14	EHT	VRT High Volt Correction	0-15	Fix	4	4	
15	ASP	Aspect Ratio Control	0-63	Fix	47	47	
16	SCRL	16:9 CRT Z Mode Tran Scroll	0-63	Fix	31	31	
17	HBSW	HBLK SW	0,1	Fix	1	1	
18	LBLK	Left Screen H Blk Control	0-15	Fix	15	15	
19	RBLK	Right Screen H Blk Control	0-15	Fix	0	0	
20	HDW	H Drive Pulse Width	0,1	Fix	1	1	
21	EWDC	EW/DC Adjust	0,1	Fix	0	0	
22	LVLN	Screen Bottom VRT Lin Adjust	0-15	Fix	0	0	
23	UVLN	Screen Top VRT Lin Adjust	0-15	Fix	0	0	
24	RDRV	R Output Drive Control	0-63	Adj	31	31	
25	GDRV	G Output Drive Control	0-63	Adj	31	31	
26	BDRV	B Output Drive Control	0-63	Adj	31	31	
27	RCUT	R Output Cutoff Control	0-15	Adj	7	7	
28	GCUT	G Output Cutoff Control	0-15	Adj	7	7	
29	BCUT	B Output Cutoff Control	0-15	Adj	7	7	
30	RDR4	Video 4 R Output Drive Control	0-63	Adj	31	31	
31	GDR4	Video 4 G Output Drive Control	0-63	Adj	31	31	
32	BDR4	Video 4 B Output Drive Control	0-63	Adj	31	31	
33	RCU4	Video 4 R Output Cutoff Control	0-15	Adj	7	7	
34	GCU4	Video 4 G Output Cutoff Control	0-15	Adj	7	7	
35	BCU4	Video 4 B Output Cutoff Control	0-15	Adj	7	7	
36		Sub Hue	0-31	Adj	15	15	
37	SCOL	Sub Color	0-31	Adj	15	15	
38	SBRT	Sub Brightness	0-63	Fix	15	15	
39	RON	R Output On/Off	0,1	Fix	1	1	
40	GON	G Output On/Off	0,1	Fix	1	1	
41	BON	B Output On/Off	0,1	Fix	1	1	
42	AXPL CBPF	Axis Pal	0,1	Fix	0	0	
43		Chroma BPF On/Off	0,1	Fix	1	1	
44	COFF KOFF	Color On/Off	0,1	Fix	0	0	
45 46	SSHP	Set Color Killer Sub Sharpness	0,1 0-15	Fix	7	0 7	
46	SHPF	Sharpness Circuit F0	0-15	Fix Fix	7	1	
48	PREL	Pre/Over-Shoot Switching	0,1	Fix	1	1	
49		DC Trans Ratio Switching	0,1	Fix	1	1	
50		ABL Mode Switching	0,1	Fix	1	1	
51	YDEL	Y Delay Time Control	0-15	Fix	7	7	
52	NCOL	No Color ID	0-13	Fix	1	1	
53	FSC	FSC Out On/Off	0,1	Fix	1	1	
54	K-ID	Killer ID	0,1	Fix	1	1	
55		H VCO Oscillation Frequency	0,1	Fix	7	7	
56	VSS	V Sync Slice Level	0,1	Fix	0	0	
57	HSS	H Sync Slice Level	0,1	Fix	0	0	
58		H Mask	0,1	Fix	1	1	
59	VTMS	Select Signal VTIM Pin	0-3	Fix	0	0	
		,		•		-	

Name	No.	Register	Description	Data	Adj/Fix	Initial	Average	Comments
All Models All Models All Models All Models All Mode		_	Besonption		Aug. IX		_	Comments
RPC							All Models	
March Marc			VP CYA2131S continued	1 1				
Section	60	AFC:		0-3	Fix	0	0	
Second Part			·					
Second S	62		REFP				0	
Section Sect								
Sell								
AP BH3868 (Group G,P - see table on page 28) 67 BBLP BBL Pass								
SBLP BBLP BBE High Pase 0.16 Fix 3 3	00	10.10	That for 100 models	0 00	114		01	
SBLP BBLP BBE High Pase 0.16 Fix 3 3			AP BH3868 (Group G.P - se	e table	e on page	28)		
BBH P BBE High Pass	67	BBLP					5	
Total SBAL Sub Balance Sub First Total Tot	68		BBE High Pass		Fix			
SBAS Sub Base								
STRE Sub Troble 0-15								
### AP BH3868 (Group I,J,M,R,V - see table on page 28) ### BBL P						_		
SBLP BBE Low Pass		OTTLE	July 110010	0 10	114		Ü	
SBLP BBE Low Pass			AP BH3868 (Group LJ.M.R.)	/ - see	table on	page	28)	
BBHP BBE High Pass	67	BBLP						
SyOL Sub Volume								
SAS Sub Bass 0-15			Sub Volume	0-15	Fix	7	7	
AP BH3868 (Group H,L,N,O,U,W,X - see table on page 28)								
AP BH3868 (Group H,L,N,O,U,W,X - see table on page 28) 67 BBLP BBE Low Pass								
BBLP BBE Low Pass 0-15	12	SIKE	JOUD TREDIE	U-15	FIX	Įδ	ŏ	
BBLP BBE Low Pass 0-15			AD BH3868 (Group H I N O	11 W Y	(- soo tal	alo or	nago 29	5/
BBHP BBE High Pass 0-15 Fix 3 3 3 69 SVOL Sub Volume 0-15 Fix 7 7 7 7 7 7 7 7 7	67	RRI D		· · · · · ·				·)
SyOL Sub Volume								
Text								
STRE							7	
AP TDA7467								
3 SPCA SRS/Space Attenuation 0-63 Fix 0 0 0	72	STRE	Sub Treble	0-15	Fix	5	5	
3 SPCA SRS/Space Attenuation 0-63 Fix 0 0 0			AD TDA7467					
Text	1			1 0 00 1		1 -		
Society Soci								
3D UPD64081 The Court Standard Stand								
Tell			mpat / tto:radao:	0 .2.				
Tell			3D UPD64081				•	
177 COUT Gain 1/BPF On 0-3 Fix 3 3 3 78 VPS VComp/Y Eaking On 0-3 Fix 3 3 3 79 NSDS Adaptive 0-3 Fix 0 0 0 0 1 1 1 1 1 1	76	HHDS		0-3	Fix	1	1	
19								
80								
B1								
EXAD Ext Ad Selected 0,1 Fix 1 1 1 1 1 1 1 1 1								
B3 PECS Standard Standar								
SE CPP VTB = 1.25VPP 0-3 Fix 0 0		PECS					0	
86								
87 CDL Y/C Delay +/-0 μ sec 0-7 Fix 4 4 88 DYCO Y Moving Coring 0-15 Fix 10 10 99 DYCO C Moving Coring 0-15 Fix 2 2 91 DCGA C Moving Gain 0-15 Fix 2 2 91 DCGA C Moving Gain 0-15 Fix 9 9 92 YNRL Effect Small 0,1 Fix 1 1 92 YNRL Effect Small 0,1 Fix 0 0 94 YNRL Noise Limit 0-3 Fix 1 1 95 CNRK Effect Small 0,1 Fix 0 0 95 CNRL Effect Small 0,1 Fix 0 0 96 CNRL Effect Small 0,1 Fix 0 0 97 CNRL CNR Limit 0-3 Fix 1								
88 DYCO Y Moving Coring 0-15 Fix 2 2 89 DYGA Y Moving Gain 0-15 Fix 10 10 90 DCCO C Moving Coring 0-15 Fix 2 2 91 DCGA C Moving Gain 0-15 Fix 9 9 92 YNRK Effect Small 0,1 Fix 1 1 92 YNRL Effect Small 0,1 Fix 1 1 93 YNRL Effect Small 0,1 Fix 1 1 94 YNRL Noise Limit 0-3 Fix 1 1 95 CNRK Effect Small 0,1 Fix 0 0 96 CNRI Effect Small 0,1 Fix 0 0 97 CNRL CNR Limit 0-3 Fix 1 1 98 ID10 ID 1 Through 0,1 Fix 0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
89 DYGA Y Moving Gain 0-15 Fix 10 10 90 DCCO C Moving Coring 0-15 Fix 2 2 91 DCGA C Moving Gain 0-15 Fix 9 9 92 YNRK Effect Small 0,1 Fix 1 1 93 YNRI Effect Small 0,1 Fix 0 0 94 YNRL Noise Limit 0-3 Fix 1 1 95 CNRK Effect Small 0,1 Fix 0 0 95 CNRL Effect Small 0,1 Fix 0 0 97 CNRL Effect Small 0,1 Fix 0 0 97 CNRL CNR Limit 0-3 Fix 1 1 1 98 ID10 D1 Through 0,1 Fix 0 0 0 0 0 0 0 0 0 0 0 0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
DCGA C Moving Gain O-15 Fix 9 9						10		
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95 CNRK Effect Small 0,1 Fix 1 1 96 CNRI Effect Small 0,1 Fix 0 0 97 CNR L CNR Limit 0-3 Fix 1 1 98 ID10 ID1 Through 0,1 Fix 0 0 99 ID1W 4:03 0,1 Fix 0 0 100 ID1N Normal 0,1 Fix 0 0 101 CLK Low Fix 0,1 Fix 0 0 101 CLK Low Fix 0,1 Fix 1 1 102 ST1S Monitor Out 0-3 Fix 1 1 103 ST0S Monitor Out 0-3 Fix 1 1 104 WSC Coring 0-3 Fix 1 1 105 VTRH H Non Standard DET 0-3 Fix 1 1								
97 CNRL CNR Limit 0-3 Fix 1 1 98 ID10 ID1 Through 0,1 Fix 0 0 99 ID1W 4:03 0,1 Fix 0 0 100 ID1N Normal 0,1 Fix 0 0 101 CLK Low Fix 0,1 Fix 1 1 102 ST1S Monitor Out 0-3 Fix 0 0 103 ST0S Monitor Out 0-3 Fix 1 1 104 WSC Coring 0-3 Fix 1 1 105 VTRH H Non Standard DET 0-3 Fix 1 1 106 VTRR H Non Standard DET 0-3 Fix 1 1 107 LDSR Frame 0-3 Fix 1 1 107 LDSR Frame 0-3 Fix 2 2 <								
98								
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101 CLK Low Fix 0,1 Fix 1 1 102 ST1S Monitor Out 0-3 Fix 0 0 103 ST0S Monitor Out 0-3 Fix 1 1 104 WSC Coring 0-3 Fix 1 1 105 VTRH H Non Standard DET 0-3 Fix 1 1 106 VTRR H Non Standard DET 0-3 Fix 1 1 107 LDSR Frame 0-3 Fix 2 2 108 PWRE PWRE 0,1 Fix 0 0 109 PDRE PDRE 0-7 Fix 4 4 100 PBRE PBRE 0-15 Fix 8 8 111 VAPG V Apacon Gain 0-7 Fix 3 3 112 VAPI V Apacon 0-31 Fix 10 10								
103 ST0S Monitor Out 0-3 Fix 1 1 104 WSC Coring 0-3 Fix 1 1 105 VTRH H Non Standard DET 0-3 Fix 1 1 106 VTRR H Non Standard DET 0-3 Fix 1 1 107 LDSR Frame 0-3 Fix 2 2 108 PWRE PWRE 0,1 Fix 0 0 109 PDRE PDRE 0-7 Fix 4 4 110 PBRE PBRE 0-15 Fix 8 8 111 VAPG V Apacon Gain 0-7 Fix 3 3 112 VAPI V Apacon 0-31 Fix 10 10 113 TEST Test 0,1 Fix 0 0		CLK	Low Fix		Fix	1		
104 WSC Coring 0-3 Fix 1 1 105 VTRH H Non Standard DET 0-3 Fix 1 1 106 VTRR H Non Standard DET 0-3 Fix 1 1 107 LDSR Frame 0-3 Fix 2 2 108 PWRE PWRE 0,1 Fix 0 0 109 PDRE PDRE 0-7 Fix 4 4 110 PBRE PBRE 0-15 Fix 8 8 111 VAPG V Apacon Gain 0-7 Fix 3 3 112 VAPI V Apacon 0-31 Fix 10 10 113 TEST Test 0,1 Fix 0 0								
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106 VTRR H Non Standard DET 0-3 Fix 1 1 107 LDSR Frame 0-3 Fix 2 2 108 PWRE PWRE 0,1 Fix 0 0 109 PDRE 0-7 Fix 4 4 110 PBRE PBRE 0-15 Fix 8 8 111 VAPG V Apacon Gain 0-7 Fix 3 3 112 VAPI V Apacon 0-31 Fix 10 10 113 TEST Test 0,1 Fix 0 0								
107 LDSR Frame 0-3 Fix 2 2 108 PWRE PWRE 0,1 Fix 0 0 109 PDRE 0-7 Fix 4 4 110 PBRE PBRE 0-15 Fix 8 8 111 VAPG V Apacon Gain 0-7 Fix 3 3 112 VAPI V Apacon 0-31 Fix 10 10 113 TEST Test 0,1 Fix 0 0								
108 PWRE PWRE 0,1 Fix 0 0 109 PDRE PDRE 0-7 Fix 4 4 110 PBRE PBRE 0-15 Fix 8 8 111 VAPG V Apacon Gain 0-7 Fix 3 3 112 VAPI V Apacon 0-31 Fix 10 10 113 TEST Test 0,1 Fix 0 0								
110 PBRE PBRE 0-15 Fix 8 8 111 VAPG V Apacon Gain 0-7 Fix 3 3 112 VAPI V Apacon 0-31 Fix 10 10 113 TEST Test 0,1 Fix 0 0	108	PWRE	PWRE	0,1	Fix	0	0	
111 VAPG V Apacon Gain 0-7 Fix 3 3 112 VAPI V Apacon 0-31 Fix 10 10 113 TEST Test 0,1 Fix 0 0								
112 VAPI V Apacon 0-31 Fix 10 10 113 TEST Test 0,1 Fix 0 0								
113 TEST Test 0,1 Fix 0 0								
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No.	Register Name	Description	Data Range	Adj/Fix	Initial Data	Average Data**	Comments
		3D UPD64081 continued				All Wodels	
115	YPFG	Y Peaking Gain	0-15	Fix	10	10	
116	V1PS	Line Comb Dot H	0-13	Fix	2	2	
117	VEGS	Line Comb Dot V	0-3	Fix	2	2	
118	CC3N	C Width	0,1	Fix	0	0	
119	COHS	C Delay On	0,1	Fix	0	0	
120	CLPH	Y-Ad Clamp Test	0,1	Fix	0	0	
121	SEL2	DC Sensitivity Small	0,1	Fix	0	0	
122	SEL1	DY Sensitivity Small	0,1	Fix	0	0	
123	YHCO	Coring Small	0-3	Fix	1	1	
124	YPCO	Coring On	0,1	Fix	0	0	
125	ED2O	Standard	0,1	Fix	1	1	
126	OVST	Standard	0,1	Fix	0	0	
127	CSHD	Standard	0,1	Fix	0	0	
128	KCTT	Standard	0-3	Fix	0	0	
129	SHT1	Standard	0,1	Fix	0	0	
130	SHT0	Standard	0,1	Fix	0	0	
131	VCT	Standard	0,1	Fix	0	0	
132	OTT	Standard	0,1	Fix	0	0	
133	CGAT	Standard	0,1	Fix	0	0	
134	CGGT	Standard	0,1	Fix	0	0	
135	CGFT	Standard	0,1	Fix	0	0	
136	CGT	Standard	0,1	Fix	0	0	
137	HPLL	H PLL Fast	0,1	Fix	1	1	
138	BPLL	Burst PLL Fast	0,1	Fix	0	0	
139	FSCF	Burst Gain Large	0,1	Fix	0	0	
140	PLLF	PLL Loop Gain Large	0,1	Fix	1	1	
141	KILR HSSL	Killer Level	0-15 0-15	Fix Fix	3 12	3 12	
142	VSSL	H Slice Level V Slice Level	0-15	Fix Fix		8	
143	BGPS	Start Burst Gate	0-15	Fix Fix	8	4	
144		Width of Burst Gate	0-15	Fix Fix	10	10	
145	ADCL	ADC Clock	0-15	Fix Fix	3	3	
147	ADPD	ADC Clock ADC Power Down On	0,1	Fix	1	1	
148	ADLT	Standard	0,1	Fix	0	0	
149	NRZO	Check On	0,1	Fix	0	0	
150	FSCO	Level Check On	0,1	Fix	0	0	
151	VTVH	Normal	0-3	Fix	0	0	
152	TST2	Standard	0,1	Fix	0	0	
153	HMEM	Use	0,1	Fix	1	1	
154	HINV	Polarity of Reset	0,1	Fix	1	1	
155	HTMG	Field Memory Address	0,1	Fix	0	0	
156	HCP	HH Carrier Phase	0-15	Fix	7	7	
157	TST3	Test	0,1	Fix	0	0	
158	HHMG	HH Moving Gain	0,1	Fix	1	1	
159	HHFG	HH	0-3	Fix	0	0	
160	HHTG	Max HH	0-15	Fix	5	5	
		PI TA1226N					
161	SHPR	Picture Improvement Sharpness	0-127	Fix	59	59	
162	BLAD	Picture Improvement Black Area Detect	0-3	Fix	0	0	
163	SRTS	Picture Improvement SRT Start Pos	0-3	Fix	3	3	
164	YNR	Picture Improvement YNR	0,1	Fix	1	1	
165	GIRE	Picture Improvement Gamma Start Point	0-3	Fix	3	3	
166	DAC1	Picture Improvement DAC1	0,1	Fix	0	0	
167	DAC2	Picture Improvement DAC2	0,1	Fix	0	0	
168	GCUR	Picture Improvement Gamma Curve	0,1	Fix	0	0	
169	BLKC	Picture Improvement Black Compensation	0,1	Fix	1	1	
170	TEST	Picture Improvement Test	0-3	Fix	3	3	
171	RS	Picture Improvement RS	0-7	Fix	0	0	
172	RTC	Picture Improvement RTC	0-7	Fix	4	4	

No.	Register	Description	Data	Adj/Fix	Initial	Average	Comments
	Name		Range		Data	Data** All Models	
		DC CXA2060					
173	DCSF	Dynamic Convergence DC Shift	0-63	Fix	40	40	
174	UYBW	Dynamic Convergence Upper YBOW	0-63	Fix	31	31	
175 176	LYBW HAMP	Dynamic Convergence Lower YBOW Dynamic Convergence H. Amp	0-63 0-63	Fix Fix	31 15	31 15	
177	UCBW	Dynamic Convergence II. Amp	0-63	Fix	21	21	
178	LCBW	Dynamic Convergence L. CBOW	0-63	Fix	14	14	
179	UMBH	Dynamic Convergence U. MBH	0-63	Fix	15	15	
180 181	LMBH PWM	Dynamic Convergence L. MBH	0-63 0-63	Fix Fix	15 63	15 63	
182	HTLT	Dynamic Convergence PWM Dynamic Convergence H. Tilt	0-63	Fix	1	1	
183	UTLT	Dynamic Convergence U. Tilt	0-63	Fix	1	1	
184	LTLT	Dynamic Convergence L. Tilt	0-63	Fix	1	1	
185	HDTY	Dynamic Convergence H. Duty	0-3	Fix	3	3	
186	TOFF	Dynamic Convergence Tilt Off	0,1	Fix	1 192	1	
187 188	DAC0 DAC1	Dynamic Convergence DAC0 Dynamic Convergence DAC1	0-255 0-255	Fix Fix	7	192 7	
100	DAGT	Bynamic Convergence BACT	0 200	I IA	<u> </u>	,	
		SP SDA9288					
189	PYSD	P in P (Siemens) YS Delay	0-15	Fix	2	2	
190	PIPH	P in P (Siemens) H-Position	0-127	Fix	78	78	
191	PIPV	P in P (Siemens) V-Position	0-63	Fix	18	18	
192 193	PYDL PIFX	P in P (Siemens) Y-Delay P in P Inset Fixed	0-7 0-3	Fix Fix	2	2	
193	PPFX	P in P Parent Fixed	0-3	Fix	2	2	
195	PCLI	P in P CLISW	0,1	Fix	1	1	
196	PAMS	P in P AMSEC	0,1	Fix	0	0	
197	PHDL	P in P (Siemens) H-Pulse Delay (Inset)	0-15	Fix	15	15	
198 199	PMVD	P in P (Siemens) V-Pulse Delay (Main)	0-31	Fix	11	11	
200	PIVD	P in P (Siemens) V-Pulse Delay (Inset) P in P (Siemens) Contrast Level (Inset)	0-31 0-15	Fix Fix	18 7	18 1	
201	FRMY	P in P (Siemens) Frame Y	0-15	Fix	10	10	
202	CHRI	P in P (Siemens) Chroma Input Polarity	0,1	Fix	0	0	
203	CHRO	P in P (Siemens) Chroma Output Polarity	0,1	Fix	0	0	
204	MAT0	P in P (Siemens) MAT0	0,1	Fix	1	1	
205 206	MAT1 MAT2	P in P (Siemens) MAT1 P in P (Siemens) MAT2	0,1	Fix Fix	0	0	
207	IPER	P in P (Siemens) Pedastel R-Y	0-15	Fix	0	0	
208	IPEB	P in P (Siemens) Pedastel B-Y	0-15	Fix	0	0	
209	PCPS	P in P (Siemens) CLP & HSIDEL	0,1	Fix	0	0	
210	PCPF	P in P (Siemens) CLP Cycles	0,1	Fix	0	0	
211	PSEL PPLL	P in P (Siemens) SELDOWN P in P (Siemens) PLL Filter	0,1 0-3	Fix Fix	0	1 0	
213		P in P (Siemens) VSP Pulse Noise Red.	0,1	Fix	0	0	
	Note:	PIP Setting - IC SDA9288 co	ontinuec	1			
		SERVICE MODE ITEM	_	del Groups	T		
		IC (SDA9288)	32V / 3	4V / 36V / 38V			
	•	PHDL (HSI DELAY)		15			
		PMVD (VSP DELAY) PIVD (VSI DELAY)		11 18	4		
		PCON (CONTRAST)		1	+		
		- (·		•		
		IC CXA2019					
214	IDPX		0,1	Fix	0	0	
215	ICOL	Color	0-63	Fix	38	38	
216	ISHP	Sharpness Sub Chroma Deceder Sub Cont	0-15	Fix	10	10	
217 218	ISCO	Sub Chroma Decoder Sub Cont Sub Chroma Decoder Sub Color	0-15 0-15	Fix Fix	7 12	7 8	
219	ISHU	Sub Chroma Decoder Sub Hue	0-15	Fix	7	7	
220	ITOT	Sub Chroma Decoder Tot On	0,1	Fix	0	0	
221	ITRP	Sub Chroma Decoder Trap On	0,1	Fix	1	1	
222	IAFC	AFC	0-3	Fix	1	1	
223 224	ITRA ICD2	Sub Chroma Decoder CTRAPADJ Sub Chroma Decoder CD Mode2	0-15 0,1	Fix Fix	7	7	
225	ISF0	SHP-F0	0,1	Fix	1	1	
226	IYDR	Sub Chroma Decoder Y Drive	0-31	Fix	24	24	
227	IVPE	Sub Chroma Decoder V Ped	0-15	Fix	0	0	
228	IUPE	Sub Chroma Decoder U Ped	0-15	Fix	0	0	
229	IRVP IRUP	Sub Chroma Decoder RV Ped Sub Chroma Decoder RU Ped	0-15 0-15	Fix Fix	7	7	
230	INUP	Jub Gillottia Decouer KU Fed	0-15	LIX	4	1	

No.	Register	Description	Data	Adj/Fix	Initial	Average	Comments
	Name	2000,	Range		Data	Data**	
						All Models	
		IC CXA2019 continued				<u> </u>	
231	IDCT	Sub Chroma Decoder DC Tran	0-7	Fix	6	6	
232	IRYD	Sub Chroma Decoder RY Drive	0-31	Fix	19	19	
233	IPRE	Sub Chroma Decoder Pre Over	0-3	Fix	1	1	
234	IRUD	Sub Chroma Decoder RU Drive	0-31	Fix	8	8	
235	IRVD	Sub Chroma Decoder RV Drive	0-31	Fix	8	8	
236	IDLY	Sub Chroma Decoder Delay	0-3	Fix	0	0	
237	ISCR	Sub Chroma Decoder SCP BGR	0-3	Fix	1	1	
238	ISCF	Sub Chroma Decoder SCP BGF	0-3	Fix	1	1	
	Note:	PIP Setting - IC CXA2019	continued	1			
		SERVICE MODE ITEM		lel Groups			
		IC (CXA2019AQ)	32V / 34	4V / 36V / 38V			
		ICSL (SUB-COLOR)		8			
		IVPE (V PEDESTAL)	_	0			
		IUPE (U PEDESTAL)		0			
		IRVP (V PEDESTAL2)		7	-		
		IRUP (U PEDESTAL2) IDCT (DC TRAN)		<u>7</u> 6	-		
		DA CXA1315		0			
239	RTCO	D/A Converter N-S Correction	0-63	Fix	32	32	
240	2COL	Color	0-03	Fix	120	120	
241	4COL	Color	0-255	Fix	120	120	
242	2SHU	Sub Hue	0-31	Fix	15	15	
243	4SHU	Sub Hue	0-31	Fix	15	15	
		D1 CXD2085					
244	XJGL	XJGLK	0,1	Fix	0	0	
245	LNJ1	LNJ1	0,1	Fix	0	0	
		CC CXP85856A					
246	CRIL	CCD CRI Pulse Compare Data Low	0-15	Fix	2	2	
247	CFLD	CCD Caption Fixed-Field Count	0-15	Fix	5	5	
248	CCDI	CCD No CCD Interrupt	0-7	Fix	3	3	
249	CRIP	CCD CRI & Parity Error	0-7	Fix	4	4	
250 251	CRIT CSB1	CCD CRI Time Constant CCD Sync Slice Bias 1	0-3 0-3	Fix Fix	3	3	
252	CSB2	CCD Sync Slice Bias 1	0-3	Fix	4	4	
253	CREP	CCD CRI Signal End Position	0-256	Fix	142	142	
254	CDSD	CCD Data Start Delay	0-31	Fix	8	8	
255	CCDS	CCD Caption Data Threshold	0-31	Fix	9	9	
256	CHMK	CCD P8-HMASK	0-63	Fix	42	42	
257	CHSY	CCD P8-HSYC	0-255	Fix	136	136	
		OP CXP85856A					
258	DISP	OSD Position	0-63	Adj	1	1	
		ID MAP					
259	ID 0	NVM ID 0		Fix by model	89	89	See ID map
260	ID 1	NVM ID 1		Fix by model	55	55	See ID map
261	ID 2	NVM ID 2		Fix by model		175	See ID map
262	ID 3	NVM ID 3		Fix by model	96	96	See ID map
263	ID 4	NVM ID 4		Fix by model	203	203	See ID map
264 265	ID 5 ID 6	NVM ID 5		Fix by model	181 6	181	See ID map
		NVM ID 6	0-255	Fix by model		6	See ID map
266	ID 7	NVM ID 7	0-255	Fix by model	9	9	See ID map

(5) Feature ID Map

	ID 0	ID 1	ID 2	ID 3	ID 4	ID 5	ID 6	ID 7
KV-32FS10	89	63	47	96	203	177	0	0
KV-32FS10CND	89	63	47	112	203	177	0	0
KV-34FV10	25	63	175	64	251	177	0	0
KV-32FV15	89	63	175	96	203	181	6	0
KV-32FV15CND	89	63	175	112	203	181	6	0
KV-34FV15	25	63	175	64	251	181	6	0
KV-34FV15C	25	63	175	64	251	181	6	0
KV-34FV15T	9	63	175	64	219	181	6	0
KV-34FV15K	137	63	175	64	219	181	6	0
KV-32XBR250	89	63	175	96	203	181	6	9
KV-32XBR250CND	89	63	175	112	203	181	6	9
KV-34FX250C	25	63	175	64	251	181	6	9
KV-36FS10	89	63	47	96	203	177	0	0
KV-36FS10CND	89	63	47	112	203	177	0	0
KV-36FV15	89	63	175	96	203	181	6	0
KV-36FV15CND	89	63	175	112	203	181	6	0
KV-38FV15K	137	63	175	64	219	181	6	0
KV-36XBR250	89	63	175	96	203	181	6	9
KV-36XBR250CND	89	63	175	112	203	181	6	9
KV-38FX250	25	63	175	64	251	181	6	9
KV-38FX250C	25	63	175	64	251	181	6	9
KV-38FX250T	9	63	175	64	219	181	6	9

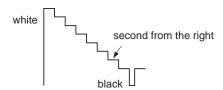
SERVICE IDO 25

Note: Items 1-266 show adjustment order

GROUP	FEATURES	NAME
G	32inchx120Vac	KV-32FS10 (8978(U)/8979(CND))
Н	32inchxAUTO	KV-34FV10 (8980(E))
I	32inchx120VacxPIP	KV-32FV15 (8973(U)/8974(CND))
J	32inchx120VacxPIPxN0 V Chip	KV-34FV15T (10189(WB))
K	32inchx120VacxPIPx3D	KV-32XBR250 (8969(U)/8970(CND))
L	32inchxAUT0xPIP	KV-34FV15 (8975(E), KV-34FV15C (8977(E))
М	32inchxAUT0xPIPxK0REA	KV-34FV15K (10188(K))
N	32inchxAUT0xPIPx3D	KV-34FX250C (8972(E))
Р	36inchx120Vac	KV-36FS10 (8989(U)/8990(CND))
R	36inchx120VacxPIP	KV-36FV15 (8987(U)/8988(CND))
S	36inchx120VacxPIPx3D	KV-36XBR250 (8981(U)/8982(CND))
Т	36inchx120VacxPIPx3DxN0 V Chip	KV-38FX250T (10190(WB))
U	36inchxAUT0xPIPx3D	KV-38FX250 (8983(E), KV-38FX250C (8986(EW))
V	36inchxAUT0xPIP	KV-38FV15K (10191(K))

SUB BRIGHT ADJUSTMENT (SBRT)

- 1. Set to Service adjustment Mode.
- 2. Input a gray scale pattern signal.
- 3. Set the PICTURE to minimum, and BRIGHT to normal.
- 4. Select SBRT with 1 and 4.
- 5. Adjust SUB BRIGHT level with 3 and 6 so that the stripe second from the right is faintly visible.
- 6. Write into the memory by pressing MUTING then ENTER.

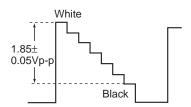


SUB CONTRAST ADJUSTMENT (RDRV)

- 1. Input a 75% color-bar signal.
- 2. Set to VIDEO mode = STANDARD, COLOR = minimum, PICTURE = 100%.

GON = 0 (OFF), BON = 0 (OFF).

- 3. Set to Service adjustment Mode and Connect an oscilloscope pin ① of CN351 on A Board.
- 4. Select RDRV with 1 and 4.
- 5. Adjust with $\boxed{3}$ and $\boxed{6}$ for the 1.85 ± 0.05 Vp-p of level.
- 6. Write into the memory by MUTING then ENTER.



SUB HUE, SUB COLOR ADJUSTMENT (2SHU, 2COL, 4SHU, 4COL)

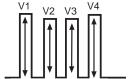
NOTE: 4SHU and 4COL are for Video 4 input. 2SHU and 2COL are for all other inputs.

- 1. Input a color bar signal.
- 2. Set to Service Adjustment Mode and set to

VIDEO mode = STANDARD PICTURE = 100% COLOR = 50% HUE = 50%.

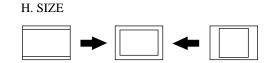
- 3. Connect an oscilloscope to CN351 Pin 3 of A Board.
- 4. Select SHUE and SCOL with 1 and 4.
- 5. Adjust with $\boxed{3}$ and $\boxed{6}$ for the V1 = V4 (2COL) and V2 = V3 (2SHU).
- 6. Write SHUE data 1 step down from even condition to NVM. 2COL is adjusted by 2SHU compensation.
- 7. Write into the memory by pressing MUTING then ENTER.

NOTE: Procedure for 4SHU and 4COL is same as above.



H. SIZE ADJUSTMENT (HSIZ)

- 1. Input a monoscope signal.
- 2. Set to Service Adjustment Mode.
- 3. Select HSIZ with 1 and 4.
- 4. Adjust with 3 and 6 for the best Horizontal size.
- 5. Write into the memory by pressing MUTING then ENTER.



V. SIZE ADJUSTMENT (VSIZ)

- 1. Input a monoscope signal.
- 2. Set to Service Adjustment mode.
- 3. Select VSIZ with 1 and 4.
- 4. Adjust with 3 and 6 for the best vertical size.
- 5. Write into the memory by pressing MUTING then ENTER.



V. POSITION ADJUSTMENT (VPOS)

- 1.Input a monoscope signal.
- 2.Set to Service Adjustment Mode.
- 3. Select VPOS with 1 and 4.
- 4. Adjust with 3 and 6 for the best vertical center.
- 5. Write into the memory by pressing MUTING then ENTER.



H. POSITION ADJUSTMENT (HPOS)

HPOS data range is from 0~15.

- 1. Input a monoscope signal.
- 2. Set the Service adjustment Mode.
- 3. Select HPOS with 1 and 4.
- 4. Adjust with 3 and 6 for the best horizontal center.
- 5. Write into the memory by pressing MUTING then ENTER.

H. POSITION



V LINEARITY (VLIN), V CORRECTION (VSCO), PIN AMP (PAMP) AND TRAPEZIUM (TRAP) ADJUSTMENTS

- 1. Input a cross-hatch signal.
- 2. Set to Service adjustment Mode.
- 3. Select VLIN, VSCO, PAMP, and TRAP with 1 and 4.
- 4. Adjust with 3 and 6 for the best picture.
- 5. Write the memory by Pressing MUTING then ENTER.

V LINEARITY(VLIN)



VS CORRECTION (VSCO)



PIN AMP (PAMP)



TRAPEZIUM (TRAP)

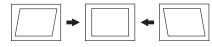


V ANGLE (VANG), V BOW (VBOW), UPPER PIN (UCPN) AND LOW PIN (LCPN) ADJUSTMENTS

- 1. Input a cross hatch signal.
- 2. Set to Service Adjustment Mode.
- 3. Select VVANG, VBOW, UCPN, and LCPN with 1 and 4.
- 4. Adjust with 3 and 6 for the best picture.
- 5. Write the memory by Pressing MUTING then ENTER.

Please use VANG data from 3~12. Adjust from 3 to 12 only.

V ANGLE (VANG)



V BOW (VBOW)



UPPER PIN (UCPN)



LOW PIN (LCPN)



OSD POSITION ADJUSTMENT (DISP)

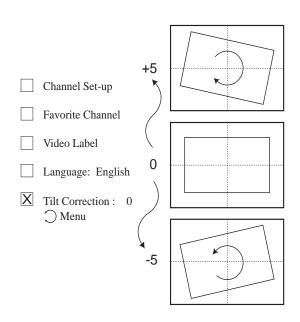
- 1. Input a color bar signal.
- 2. Set to Service adjustment Mode.
- 3. Select DISP with 1 and 4.
- 4. Adjust with 3 and 6 for the bar center.
- 5. Write into the memory by pressing MUTING then ENTER .

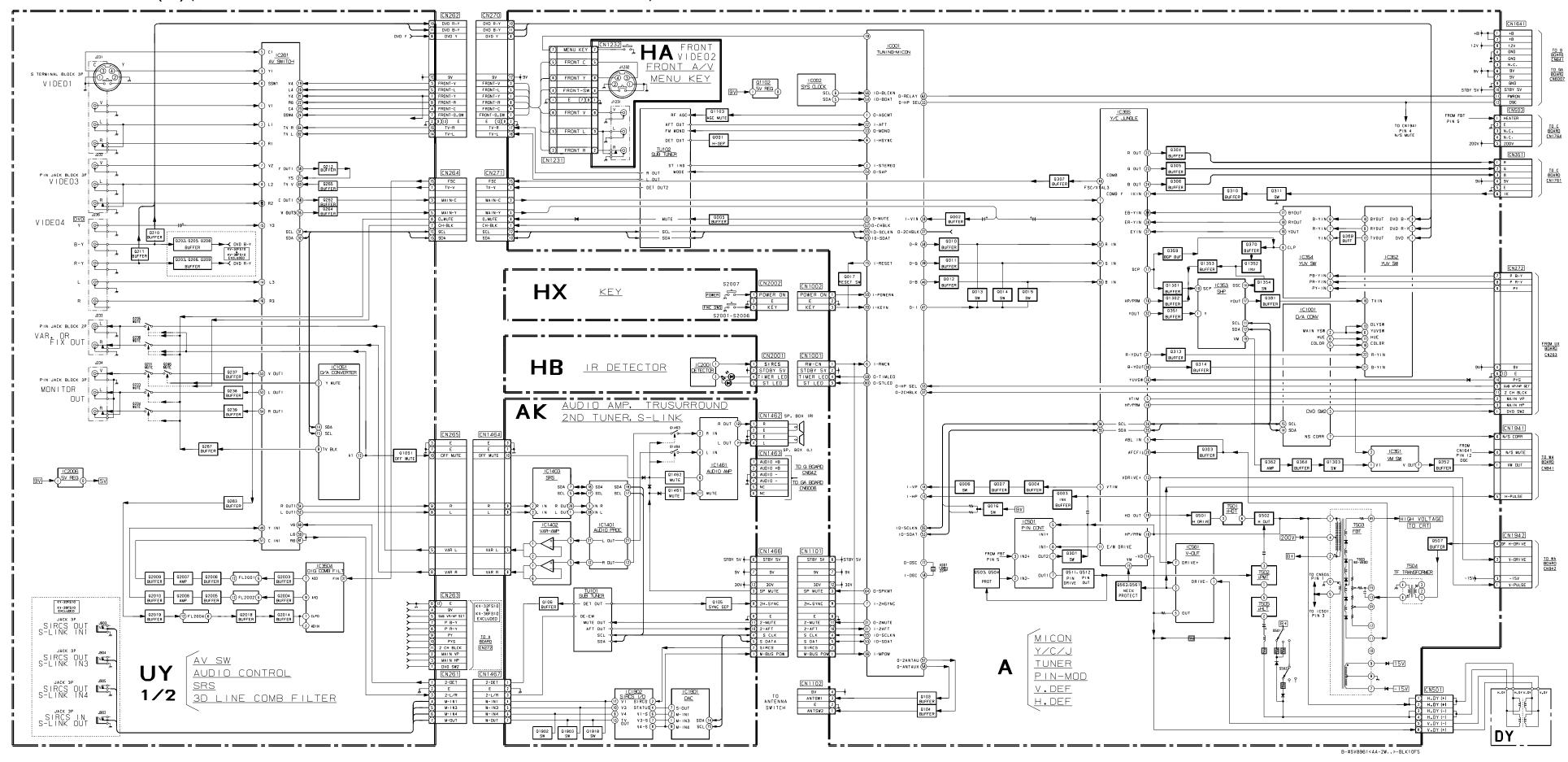


ROTATION COIL ADJUSTMENT

- 1. Input a monoscope signal.
- 2. Push Menu button on the Remote (RM-Y171).
- 3. Select "Set Up" Mode.
- 4. Select "Tilt Correction". Confirm that number (0) color changes to red.
- 5. Push ↑ (+) on the Remote (RM-Y171). Confirm that number increases up to +5 and picture rotates clockwise.
- 6. Push **↓** (+) on the Remote (RM-Y171). Confirm that number decreases up to -5 and picture rotates counterclockwise.
- 7. Push **↑** (+) on the Remote (RM-Y171). Return to 0.

SET-UP

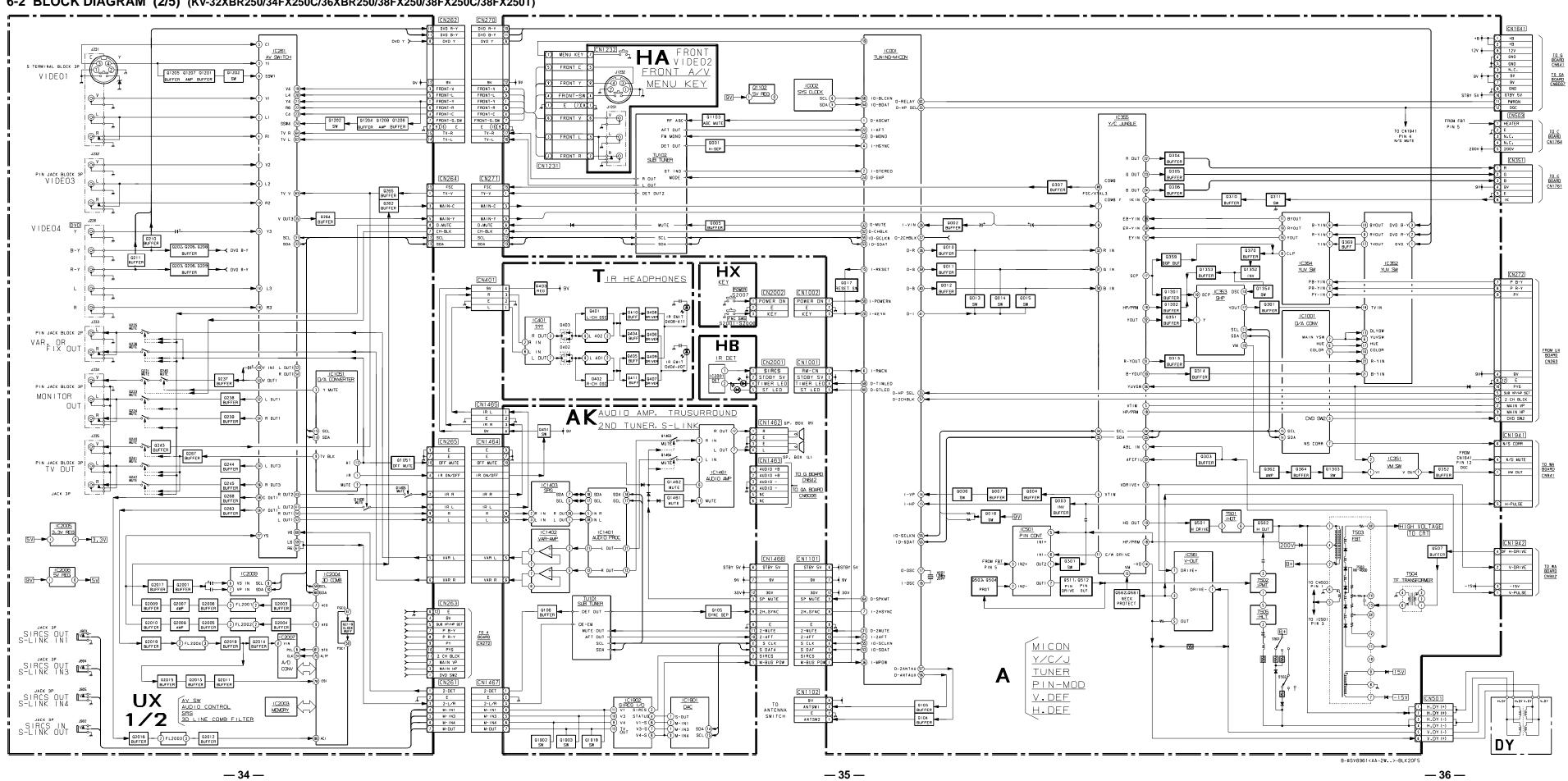




KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K

FOLDOUT 31-36

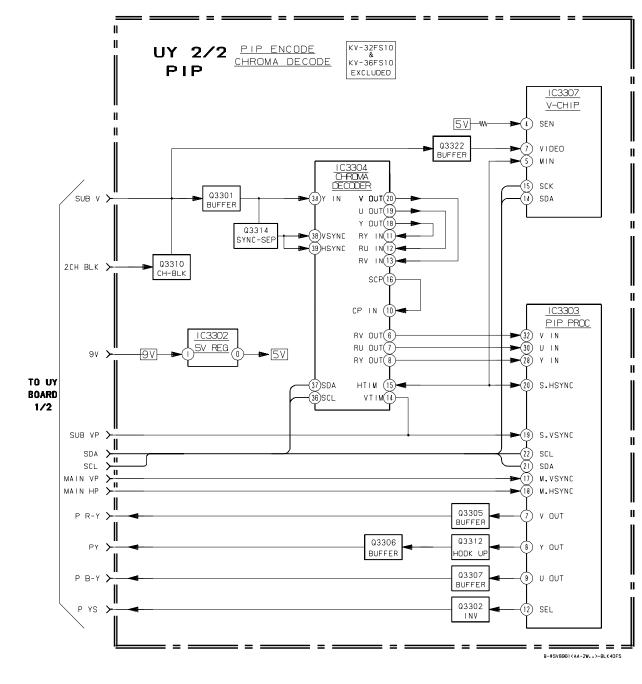
6-2 BLOCK DIAGRAM (2/5) (KV-32XBR250/34FX250C/36XBR250/38FX250C/38FX250T)



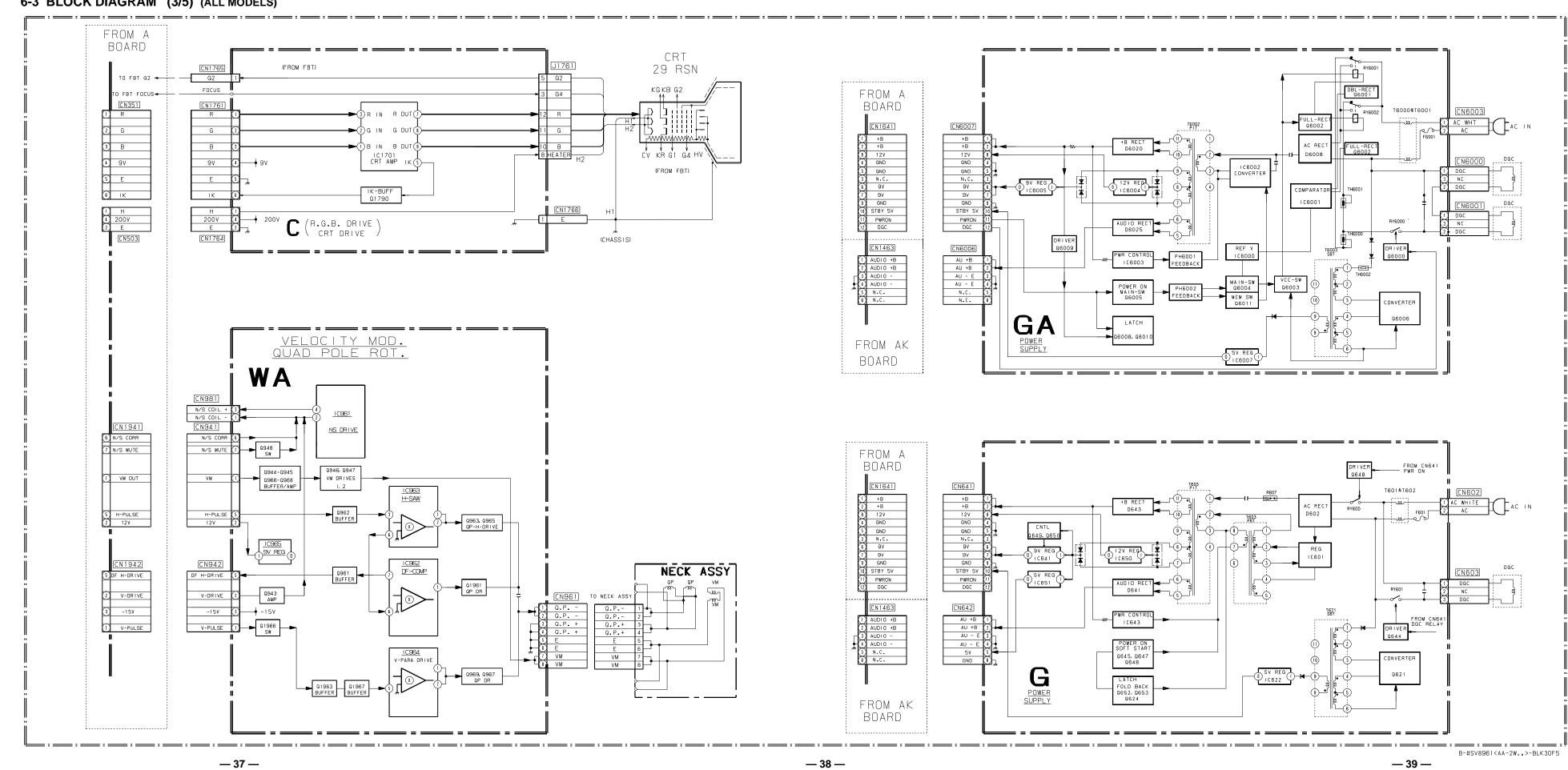
FOLDOUT 37-44

KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K

6-4 BLOCK DIAGRAM (4/5) (KV-32FV15/34FV15/34FV15C/34FV15K/34FV15T/36FV15/38FV15K)

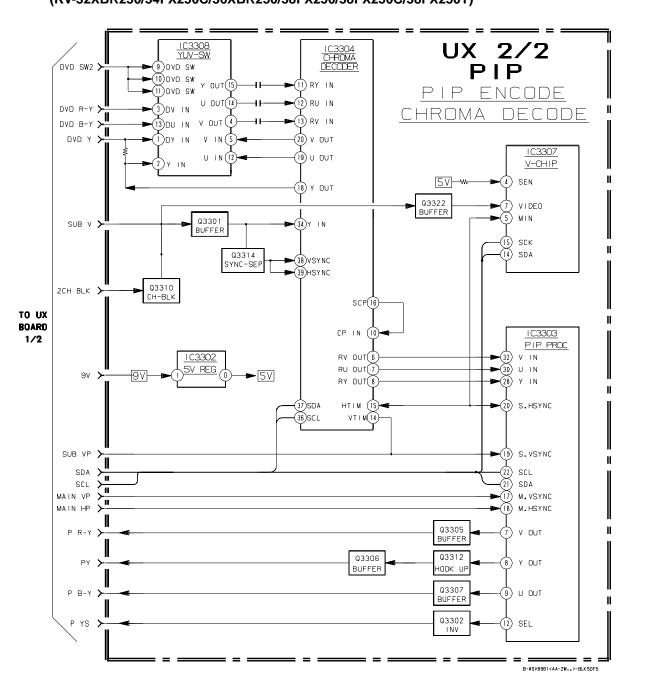


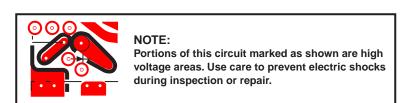
6-3 BLOCK DIAGRAM (3/5) (ALL MODELS)



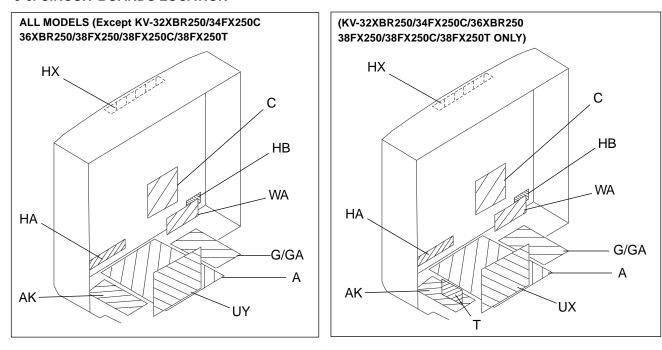
KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K

6-5 BLOCK DIAGRAM (5/5) (KV-32XBR250/34FX250C/36XBR250/38FX250/38FX250C/38FX250T)





6-6. CIRCUIT BOARDS LOCATION



6-7. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

- All capacitors are in μF unless otherwise noted. pF : $\mu \mu F$ 50WV or less are not
- indicated except for electrolytics and tantalums. All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms.
- $K\Omega$ =1000 Ω , $M\Omega$ =1000 $k\Omega$
- Indication of resistance, which does not have one for rating electrical power, is Pitch : 5mm Rating electrical power: 1/4 W
- ¹/₄ W in resistance, ¹/₁₀ W and ¹/₈ W in chip resistance. • ______: nonflammable resistor.
- _____ : fusible resistor.
- △ : internal component.
- _____: panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless other-• The components identified by 📘 in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding
- Should replacement be required, replace only with the value originally used. ullet When replacing components identified by $oldsymbol{\square}$, make the necessary adjust-
- ments indicated. If results do not meet the specified value, change the component identified by
 and repeat the adjustment until the specified value is achieved. (Refer to R530 and R531 adjustment on Page 21.)
- When replacing the part in below table, be sure to perform the related adjust-
- Readings are taken with a color-bar signal input.
- Readings are taken with a $10M\Omega$ digital multimeter.
- Voltages are DC with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.

Part replaced (☑)	Adjustment(
IC355, IC501, D302, D519, D520, D521,C531, C532, Q301, R356, R359, R361, R387, R529, R530, R531,	R530,R531
R532, R533, R550,T503A BOARD	

All voltages are in V. S : Measurement impossibility.

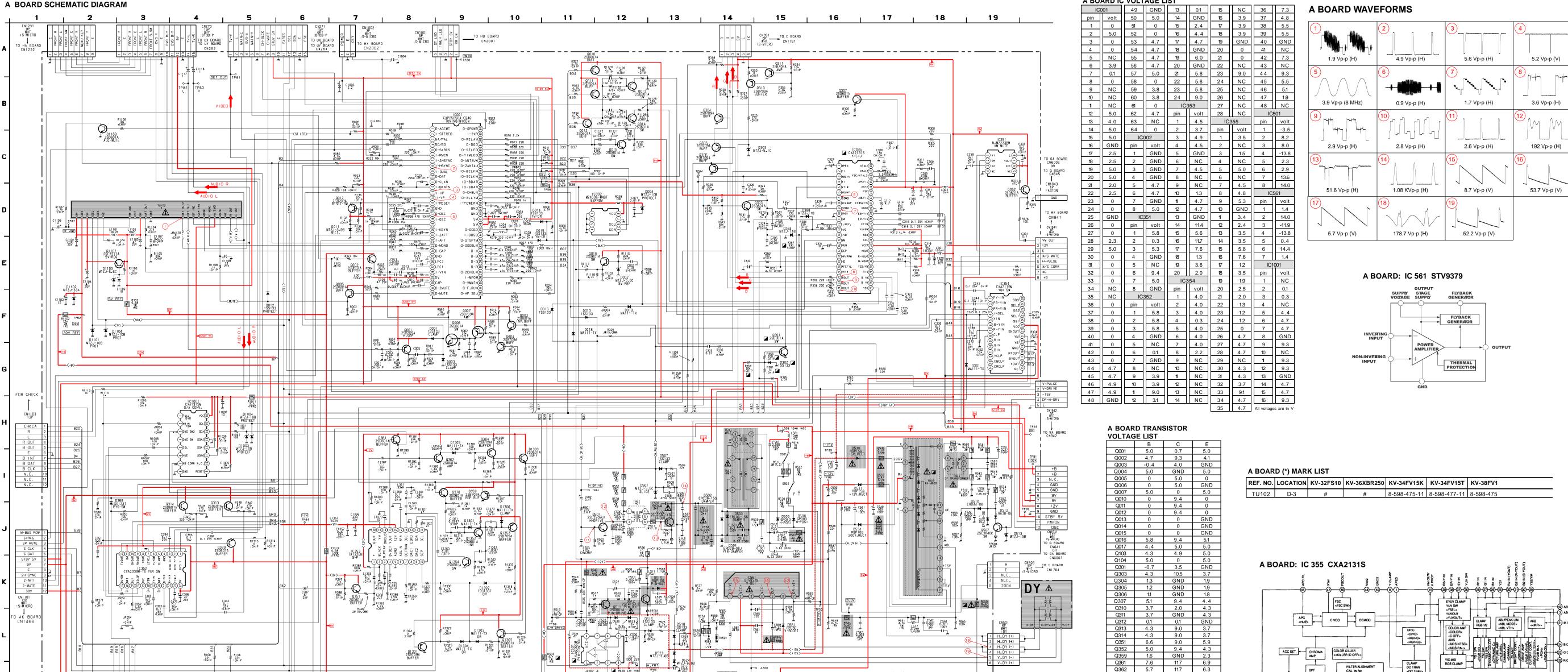
- : B+line.
 --- V : B-line.
 (Actual measured value may be different).

- : signal path. (RF)
- Circled numbers are waveform references.
- Reference information RESISTOR : RN METAL FILM
- : RC SOLID
- : FPRD NONFLAMMABLE CARBON : FUSE NONFLAMMABLE FUSIBLE
- : RW NONFLAMMABLE WIREWOUND : RS NONFLAMMABLE METAL OXIDE
- : RB NONFLAMMABLE CEMENT
- : X ADJUSTMENT RESISTOR
- : LF-8L MICRO INDUCTOR CAPACITOR : TA TANTALUM
 - : PS STYROL
 - : PP POLYPROPYLENE : PT MYLAR
 - : MPS METALIZED POLYESTER
 - : MPP METALIZED POLYPROPYLENE
 - : ALB BIPOLAR
 - : ALT HIGH TEMPERATURE
 - : ALR HIGH RIPPLE

The symbol \blacksquare display is on the component side. The components identified by shading and mark riangle are critical for safety. Replace only with part number specified. Γhe symbol ■ indicates a fast operating fuse. Replace only with fuse of same rating as marked.

Les composants identifiés per un tramé et une marque 🛆 sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié. Le symbole Indique une fusible a action rapide. Doit etre remplacee par une fusible de meme yaleur, comme maque. [MICON, Y/C/J, TUNER, PIN-MOD, V-DEF, H-DEF] A BOARD LOCATOR LIST D534 G-8 Q364 E-12 D535 G-3 Q369 D-8 SAMPLE TRIAL

....GA BOARD



— 47 —

5/10/99, 1:46 PM

MICON Y/C/J TUNER PIN-MOD V.DEF H.DEF

FOLDOUT 45-48

V SYNC SEP

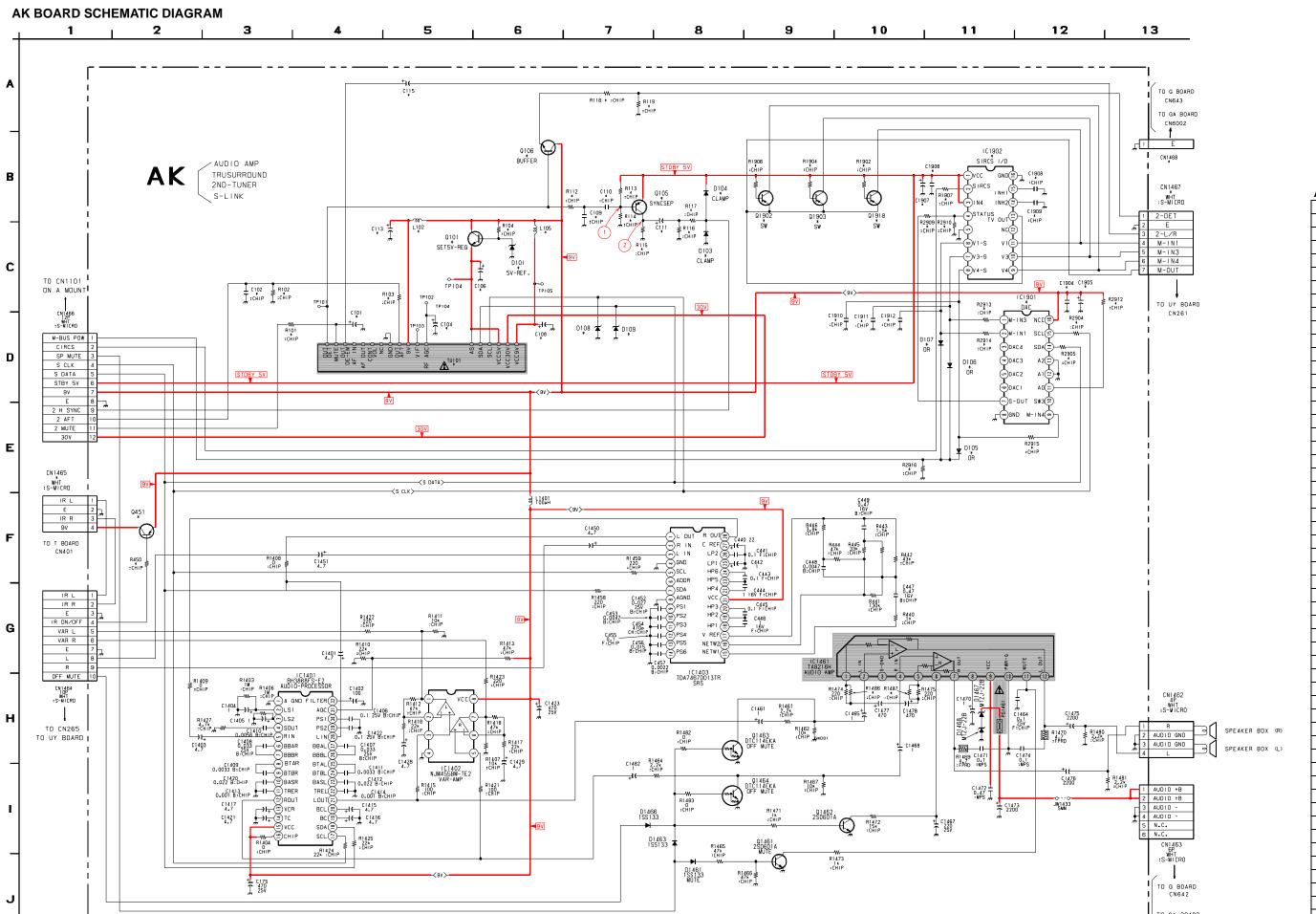
VSS>

H SYNC SEP

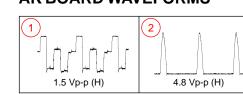
HSS>

H MASK>

KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K

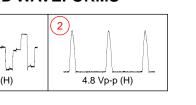


AK BOARD WAVEFORMS



	RD (*) MARI	
DEE NO	LOCATION	KV 2

C102	C-3	0.0022	0.0022MF
C104	D-5	10	10MF
C106	C-6	47	47MF
C108	D-6	1000	1000MF
C109	B-7	220p	220PF
C110	B-7	0.047	0.047MF
C111	C-7	1	1MF
C113	C-5	220	220MF
C115	A-5	1	1MF
C1904	C-12	0.01	0.01MF
C1905	C-12	10	10MF
C1906	B-11	0.01	0.01MF
C1907	B-10	10	10MF
C1908	B-12	0.001	0.001MF
C1909	B-12	0.001	0.001MF
C1910	D-10	0.001	0.001MF
C1911	D-10	0.001	0.001MF
C1912	D-10	0.001	0.001MF
CN1465	F-1	#	CONNECTOR
CN1467*	C-13	CONNECTOR	CONNECTOR
CN1468	B-13	(CONTACT)	(CONTACT)
D101	C-6	RD5.6ESB2	RD5.6ESB2
D103	C-8	1SS133T-77	1SS133T-77
D104	B-8	1SS133T-77	1SS133T-77
D105	E-11	1SS133T-77	1SS133T-77
D106	D-11	1SS133T-77	1SS133T-77
D107	D-11	1SS133T-77	1SS133T-77
D108	D-7	RD10ESB2	RD10ESB2
D109	D-7	RD10ESB2	RD10ESB2
IC1901	D-12	CXA1315M	CXA1315M
IC1902	B-11	NJM2145M-TE2	NJM2145M-TE2
L102	C-5	10UH	10UH
L105	C-6	100UH	100UH
Q101	C-6	2SC2785-HFE	2SC2785-HFE
Q105	B-7	2SA1162-G	2SA1162-G
Q106	B-6	2SD601A-Q	2SD601A-Q
Q1902	B-9	2SA1162-G	2SA1162-G
Q1903	B-9	2SA1162-G	2SA1162-G
Q1918	B-10	2SA1162-G	2SA1162-G
Q451	F-2	#	2SB734-34
R101	D-4	4.7K	4.7K
R102	C-3	27K	27K
R103	C-5	39K	39K
R104	C-6	1K	1K
R112	B-7	2.2K	2.2K
R113	B-7	100K	100K
R114	B-7	1M	1 M
R115	C-7	10K	10K
R116	C-8	10K	10K
R117	C-8	4.7K	4.7K
R118	A-7	470	470
R119	A-7	560	560
R450	F-2	#	10K
R1486	H-10	220	220
R1487	H-10	220	220
R1902	B-10	10K	10K
R1904	B-10	10K	10K
R1906	B-9	10K	10K
R1907	B-11	220	220
R2904	D-12	220	220
R2905	D-12 D-12	220	220
R2909	C-11	10K	10K
R2909 R2910	C-11	10K	10K
R2912	C-12 C-11	4.7K	4.7K 10K
R2913 R2914	D-11	10K	
		10K	10K
	F-12	THE	
R2915 R2916	E-12 E-10	10K 10K	10K 10K



	1	2	3		4	5		6		7		8		9
lf				2				C 414	e de la constant de l			224		
					NOTU10			2 C110 2 R114 Q105		CH1488		9 2 8	24 / 40 / 50 / 50 / 50 / 50 / 50 / 50 / 5	Þ
\						P104						TETAL		
		RIO4 O						M15	0194				1451	
1	0100	1105 2 8101		102				TPIATE VAR-L	• •		11485			Œ
	#013 = = 8041/1/3		e e e e e e e e e e e e e e e e e e e		Ġ		VAK-12						5 44 (M) (M)	
3								Man T	5 L1401			Range State	D1802 R1807 R2905 R2912	
	HALL TO SEE CH	167			## P81361		1427				0)05			E
_	CN1484		C1461 # #				:N1483 C1	NOH!		C1425	Dian 14		IC1891	
		R 10#1483		1 T 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	C/472	D) (82	TP1410	RITTO B		Na Paris			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	C1424	01462 1 2 C1488	T #1483	9/4/3 014	G CHAT		£1428) 					C1807	
	4 1 1 1 1 1 1 1 1 1 1				CIA7		TP1400 MAIN-L		17 C CLAS		TC-181			
	R1481 R1485 R1480	10467	185	D1485				O c14			A INT		C1908	
\exists	R1485 R1484	C1487 E c1488 C1489 C14	7.9			the crase		74			CIADA TINA			-
											\$1103 P			
)	C1475						1000		cran a a m		C141			
						XON						C445 C447 1 C448	RAST CHASE	
		TT SALES O	R BUSTI		OO	XO (R1402 5		000000	R145 C440 R148	E
			000		\bigcirc	$\forall \circ \circ$	SON				1 00000000		RALA	
	C1478			90	MO						RI 458	icia 2 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	103	
	° O		MARARE A	490 A A	n mal		1-674- 9716	08%-11	AA2W					Þ
Ш			AUD	O AI					A4 A4 82 80		450 3 5 5			

AK BOARD LOCATOR LIST

DIC	וכ	DE	PHOTOSENSOR					
D101		A-2	PS1461		B-4			
D103		A-6	TRAN	SI	STOR			
D104		A-6	Q101		A-2			
D105		B-8	Q105		A-6			
D106		B-8	Q106		A-4			
D107		C-8	Q451		F-2			
D108		A-1	Q1461		C-3			
D109		B-1	Q1462		C-2			
D1461		B-3	Q1463		C-2			
D1463		B-2	Q1464		C-2			
D1466		B-2	Q1902		D-8			
D1467		C-4	Q1903		D-9			
D1468		C-4	Q1918		D-9			
ı	C							
IC1401		D-6						
IC1402		B-6						
IC1403		E-8						
IC1461		D-3						
IC1901		B-8						
IC1902		C-8						

 ARD TR GE LIST	ANSIST	OR
В	C	

/OLTA	ge list	•		
	В	С	Е	
Q101	5.7	9.3	5.1	
Q105	5.1	1.1	5.0	
Q106	5.6	9.3	4.9	
Q451	8.9	0.4	9.3	
Q1461	0	4.2	GND	
Q1462	0	11.6	GND	
Q1463	0	0	GND	
Q1464	0	0	GND	
Q1902	5.0	0.7	0	
Q1903	5.0	0.7	0	
Q1918	5.0	0.7	0	

All voltages are in V

AK BOARD IC

	AGE L	-					
IC1	401	IC1	402	23	4.5	8	GND
pin	volt	pin	volt	24	4.5	9	0
1	GND	1	4.5	25	4.5	10	NC
2	0.7	2	4.5	26	4.5	11	9.3
3	1.2	3	4.5	27	4.5	12	0
4	4.5	4	GND	28	3.9	13	0
5	4.5	5	4.5	IC1	461	14	4.7
6	4.5	6	4.5	1	1.5	15	4.7
7	4.5	7	4.5	2	0	16	9.3
8	4.5	8	9.1	3	NC	IC1	902
9	4.5	IC1	403	4	0	1	5.0
10	4.5	pin	volt	5	1.5	2	3.9
11	0	1	3.9	6	11.6	3	5.0
12	4.5	2	4.5	7	16.0	4	0.1
13	1.0	3	4.5	8	5.1	5	GND
14	1.9	4	GND	9	34.5	6	0
15	9.1	5	4.7	10	0	7	0
16	9.1	6	NC	11	4.2	8	0
17	4.7	7	4.7	12	15.7	9	0.7
18	4.7	8	GND	IC1	901	10	0.7
19	1.9	9	4.5	1	0	11	0.7
20	1.0	10	4.5	2	0.4	12	NC
21	4.5	11	4.5	3	NC	13	0
22	4.5	12	4.5	4	NC	14	0.4
23	4.5	13	4.5	5	NC	15	0.4
24	4.5	14	4.5	6	NC	16	GND
25	4.5	15	4.5	7	0.4	All volta	ges are in V
2.0	4 -	4.0	4 5				

FOLDOUT 49-52

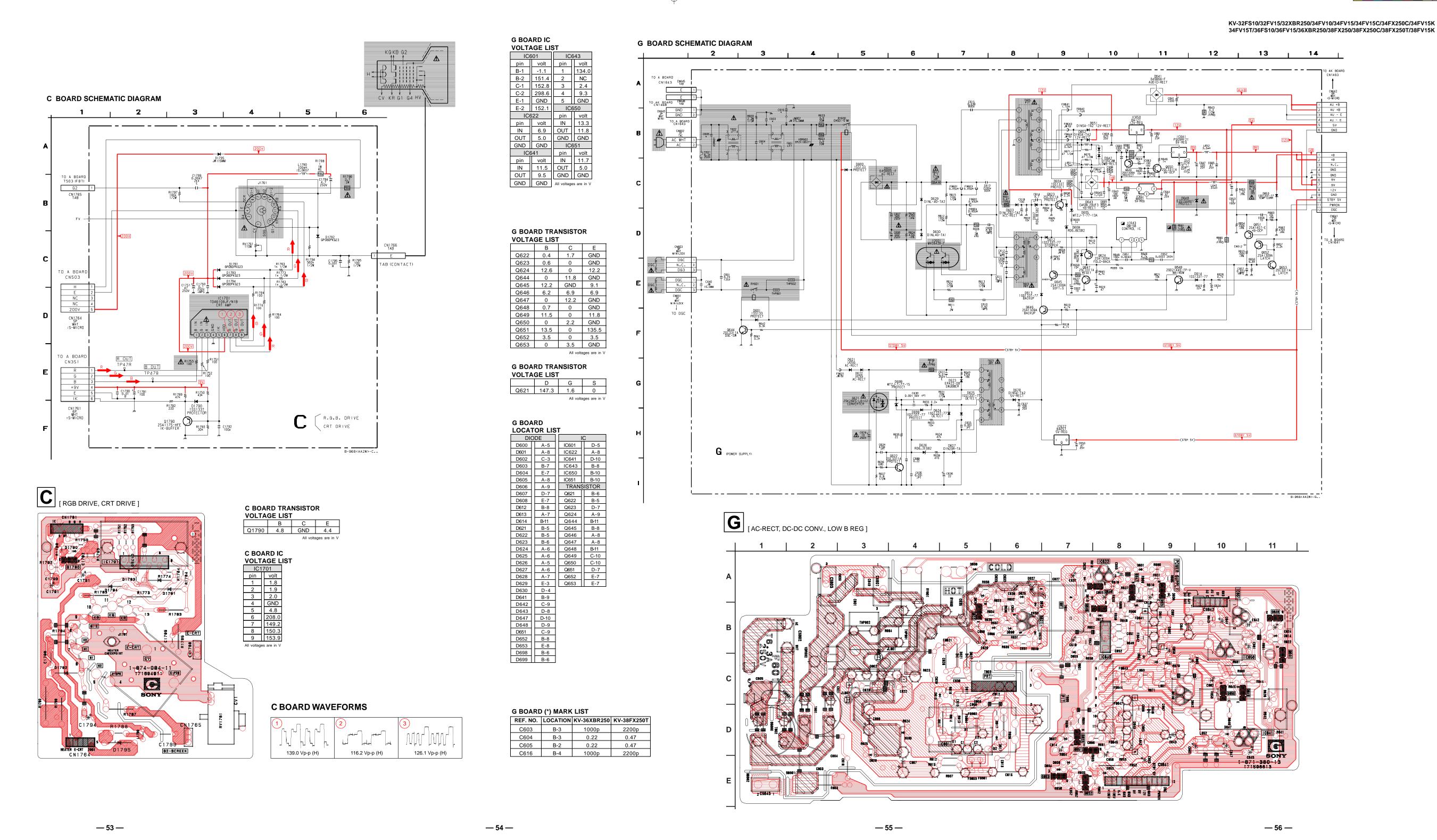
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5/10/99, 1:55 PM

FOLDOUT 53-56

KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K GA BOARD IC GA [POWER SUPPLY] **GA BOARD** GA BOARD SCHEMATIC DIAGRAM **VOLTAGE LIST** LOCATOR LIST | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 2 | 3 | 4 | 5 | 6 | 7 | 8 9 5.0 14 17.7 OUT 9.6 10 3.3 15 10.9 GND GND 11 4.8 16 4.8 IC6007
 13
 17.9
 18
 164.3
 1
 7.1

 14
 17.9
 19
 154.2
 2
 5.0

 3
 GND
 GA BOARD TRANSISTOR VOLTAGE LIST HX BOARD SCHEMATIC DIAGRAM 1 1 2 1 3 1 HX KEY GA BOARD TRANSISTOR All voltages are in V \$2005 \$2004 \$2003 \$2002 \$2001 TV/V CH+ CH- VOL+ VOL-IC6003 DM-58 CONTROL IC C6078 + D6051
D1 NL 20
VCC RECT HX [KEY] GA (POWER SUPPLY) T BOARD TRANSISTOR
VOLTAGE LIST

B C **HA** [FRONT A/V - MENU KEY] HA BOARD SCHEMATIC DIAGRAM T BOARD SCHEMATIC DIAGRAM [MENU KEY] C1239 LOCATOR LIST IR HEADPHONES HB [IR DETECTOR] [IR HEADPHONES] **HB BOARD SCHEMATIC DIAGRAM** [IR DETECTOR] Schematic diagrams B-968<AA2W>-HB., ← C G boards

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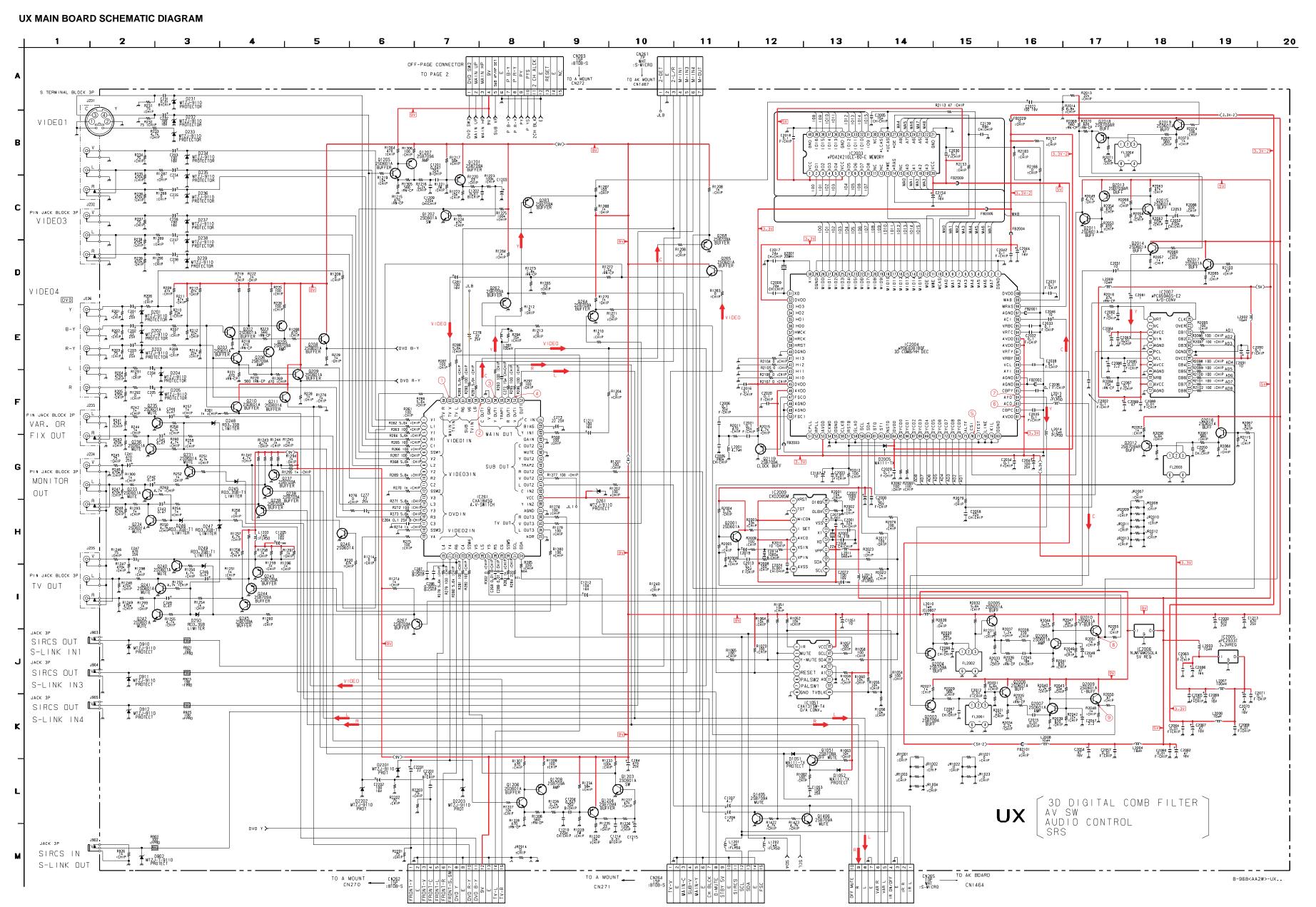
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GA HA HB HX T boards →

FOLDOUT 57-60

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KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K



UX (M	AIN) E	BOARE	IC VO	LTAGE	LIST														
IC2	261	29	4.5	59	4.5	5	1.6	35	GND	23	1.5	53	3.3	81	3.3	IC2	006	19	GND
pin	volt	30	0	60	NC	6	5.0	36	1.7	24	1.5	54	GND	82	1.0	pin	volt	20	2.0
1	4.5	31	4.7	61	4.5	7	1.4	37	1.7	25	1.5	55	GND	83	1.7	IN	8.9	21	1.7
2	4.5	32	4.7	62	4.5	8	1.6	38	1.7	26	1.7	56	NC	84	1.7	OUT	5.0	22	1.5
3	4.5	33	GND	63	4.5	9	1.7	39	1.7	27	1.7	57	4.0	85	1.0	GND	GND	23	NC
4	4.5	34	4.6	64	4.5	10	1.0	40	GND	28	1.7	58	GND	86	GND		007	24	1.7
5	4.5	35	4.2	IC1	051	11	NC	IC2	2004	29	GND	59	4.7	87	GND	pin	volt	IC2	2009
6	4.5	36	4.6	pin	volt	12	NC	pin	volt	30	1.5	60	4.7	88	2.2	1	3.3	pin	volt
7	4.5	37	GND	1	8.9	13	2.9	1	GND	31	1.5	61	0.1	89	0	2	NC	1	4.8
8	4.5	38	NC	2	8.9	14	0.5	2	1.5	32	3.3	62	NC	90	NC	3	5.0	2	GND
9	NC	39	8.9	3	0.4	15	NC	3	1.5	33	NC	63	NC	91	NC	4	2.7	3	4.8
10	4.5	40	NC	4	NC	16	1.5	4	1.5	34	NC	64	3.3	92	3.3	5	GND	4	1.4
11	NC	41	4.6	5	6.1	17	1.5	5	1.5	35	NC	65	0	93	3.3	6	0.1	5	4.8
12	0 NC	42	4.4	<u>6</u>	NC NC	18 19	1.5	6 7	1.5	36	NC NC	66 67	1.9	94 95	3.3	7	2.5 5.0	6 7	1.8
14		43	4.4 NC	8	GND	20	5.0	8	1.5	38	NC NC	68		96	0	9	GND	8	GND
15	4.5	45	NC NC	9	6.0	21	GND	9	1.5	39	NC NC	69	1.9	96	0	10	2.3	9	4.7
16	4.5	46	GND	10	NC	22	1.7	10	1.0	40	GND	70	1.8	98	0.5	11	5.0	10	4.7
17	4.5	47	NC	11	GND	23	1.5	11	2.8	41	0	71	1.6	99	1.7	12	GND	11	4.8
18	0	48	GND	12	8.9	24	1.6	12	2.5	42	0	72	2.0	100	3.3	13	2.0	12	2.5
19	4.5	49	4.5	13	GND	25	1.6	13	1.3	43	0	73	1.7		2005	14	2.0	13	2.4
20	4.5	50	4.5	14	4.7	26	1.6	14	1.4	44	0	74	1.5	pin	volt	15	2.1	14	GND
21	4.5	51	NC	15	4.7	27	2.5	15	1.8	45	3.3	75	1.7	IN	5.0	16	2.0	15	0
22	4.5	52	4.6	16	8.9	28	1.0	16	1.6	46	3.3	76	4.4	OUT	3.3	17	1.7	16	4.8
23	4.5	53	4.4	IC2	2003	29	1.0	17	1.6	47	1.9	77	GND	GND	GND	18	5.0	All voltage	ges are in \
24	4.5	54	4.6	pin	volt	30	NC	18	1.7	48	GND	78	GND						
25	NC	55	4.4	1	5.0	31	1.4	19	1.7	49	GND	79	GND						
26	NC	56	4.4	2	1.7	32	1.5	20	1.7	50	1.5	80	GND						
27	4.5	57	GND	3	1.7	33	1.9	21	1.0	51	NC								
28	4.5	58	4.4	4	1.7	34	1.6	22	1.6	52	NC								

UX (MAIN) BOARD TRANSISTOR

VOLTA	GE LIS	Г					
	В	С	Е		В	С	Е
Q202	2.6	7.9	2.0	Q1051	8.9	-0.1	8.8
Q203	2.6	7.9	2.0	Q1201	8.4	0	8.9
Q205	7.9	3.9	8.5	Q1202	0	4.4	GND
Q206	7.9	3.9	8.6	Q1203	0	4.4	GND
Q208	3.9	8.9	3.2	Q1204	8.4	0	8.9
Q209	3.9	8.9	3.2	Q1205	4.4	8.9	3.9
Q210	2.6	8.9	2.0	Q1206	4.4	8.9	3.8
Q211	2.6	8.9	2.0	Q1207	8.9	3.8	9.0
Q212	4.4	8.9	0	Q1208	8.9	3.8	9.0
Q231	0	5.1	GND	Q1405	8.9	0	GND
Q233	0.2	0	GND	Q1406	8.9	0	GND
Q234	0.2	0	GND	Q2001	3.3	4.9	2.7
Q235	0.1	0	GND	Q2003	1.7	GND	2.4
Q236	0.1	0	GND	Q2004	1.65	GND	2.3
Q237	4.4	GND	5.1	Q2005	2.8	8.3	2.2
Q238	4.6	GND	5.2	Q2006	7.0	8.9	6.4
Q239	4.6	GND	5.2	Q2007	2.2	4.4	1.6
Q240	0.7	0.2	GND	Q2008	2.1	5.2	1.5
Q241	0.6	0	GND	Q2009	4.4	8.9	3.8
Q242	0.6	0	GND	Q2010	5.2	8.3	4.3
Q243	4.1	GND	0.2	Q2011	0.1	4.4	GND
Q244	4.6	GND	5.2	Q2012	1.8	GND	2.5
Q245	4.6	GND	5.2	Q2013	4.9	0.5	5.0
Q246	0.4	5.1	GND	Q2014	5.2	8.3	4.6
Q262	3.8	GND	4.5	Q2015	3.4	4.9	3.6
Q263	4.5	GND	5.1	Q2016	2.6	8.3	2.0
Q264	4.2	GND	4.8	Q2017	4.6	8.3	3.9
Q265	4.7	8.9	4.1	Q2018	1.2	GND	1.9
Q267	3.1	GND	3.7	Q2019	1.9	0	2.3
Q268	4.5	GND	5.1	Q2119	1.9	GND	2.3

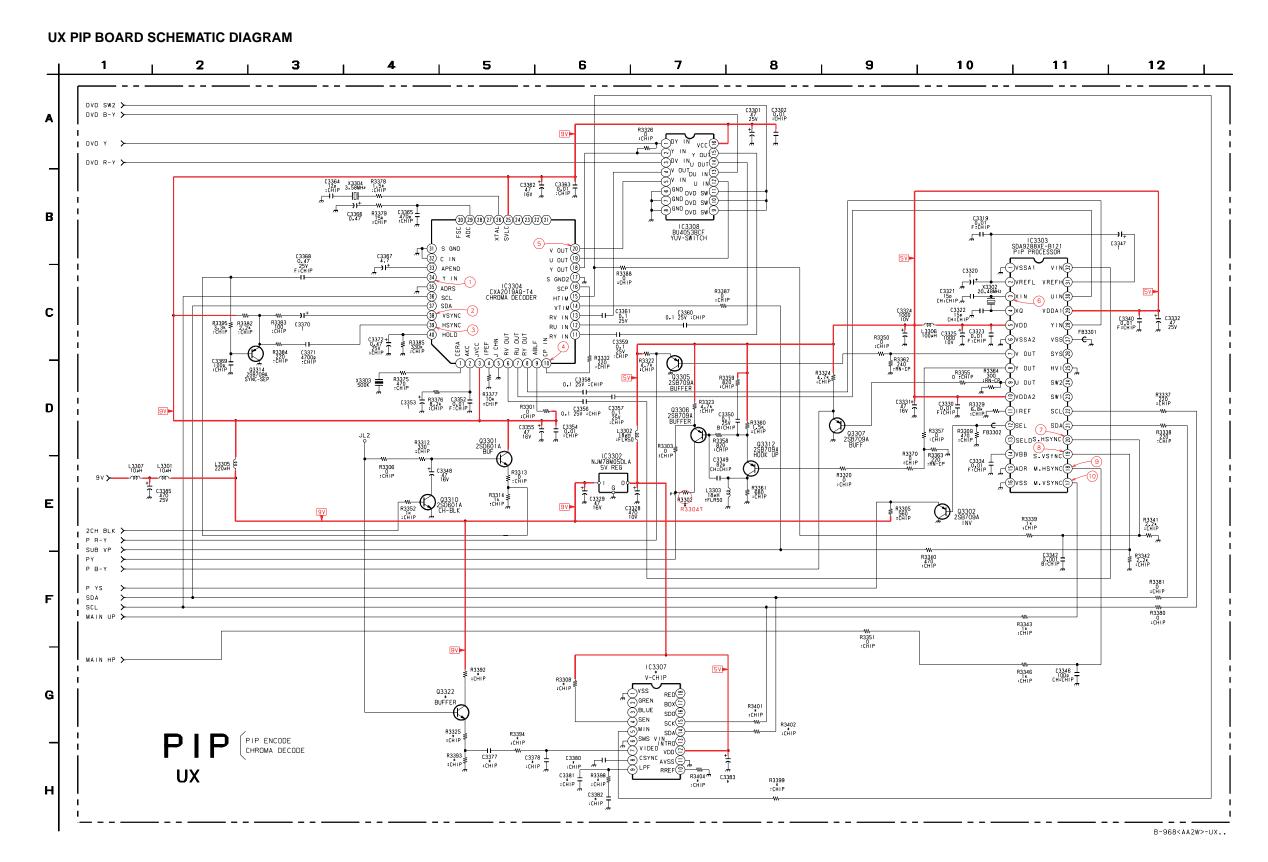
UX (MAIN) BOARD WAVEFORMS

		3
0.9 Vp-p (H)	0.8 Vp-p (H)	1.7 Vp-p (H)
1.8 Vp-p (H)	5.1 Vp-p (H)	0.4 Vp-p (H)
7 1.7 Vo-p (H)	8 W. J. W. W. W. J. W. W. W. J. W. W. W. J. W.	9
1.7 Vp-p (H)	0.9 Vp-p (H)	0.8 Vp-p (H)

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FOLDOUT 61-64

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2 2.0 Vp-p (H) 1.8 Vp-p (8MHz) 1.8 Vp-p (H)	
(a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	\sim
4.6 Vp-p (H) 1.2 Vp-p (H) 3.6 Vp-p (V)	
7	
3.0 Vp-p (H) 3.8 Vp-p (V) 6.5 Vp-p (H)	
10	
4.5 Vp-p (V)	

UX (P	IP) BO	ARD I	C VOL	Γ <u>AGE</u> L	IST				
IC3	302	18	0.2	8	2.8	32	GND	14	4.7
pin	volt	19	0.1	9	8.5	33	3.7	15	4.7
IN	8.7	20	0.4	10	0.7	34	3.6	16	NC
OUT	5.1	21	4.7	11	3.6	35	GND	17	NC
GND	GND	22	4.7	12	4.2	36	4.7	18	NC
IC3	303	23	NC	13	4.2	37	4.7	IC3	308
pin	volt	24	NC	14	0.1	38	4.1	pin	volt
1	GND	25	GND	15	0.7	39	3.3	1	3.5
2	3.0	26	NC	16	0.7	40	0.6	2	2.7
3	2.3	27	0	17	GND	IC3	307	3	3.2
4	1.8	28	1.7	18	2.7	pin	volt	4	2.7
5	4.8	29	5.0	19	2.7	1	GND	5	2.7
6	GND	30	2.2	20	2.7	2	NC	6	GND
7	0.1	31	4.0	21	NC	3	NC	7	GND
8	0	32	2.2	22	NC	4	5.1	8	GND
9	0.2	IC3	304	23	NC	5	0.7	9	0.3
10	5.0	pin	volt	24	NC	6	GND	10	0.3
11	1.9	1	2.1	25	8.5	7	2.9	11	0.3
12	0	2	3.9	26	2.2	8	2.4	12	2.7
13	NC	3	8.5	27	NC	9	1.4	13	3.2
14	-2.9	4	1.6	28	NC	10	1.1	14	2.7
15	GND	5	GND	29	4.3	11	GND	15	2.7
16	GND	6	2.8	30	NC	12	5.1	16	8.5
17	5.0	7	2.8	31	GND	13	NC	All voltage	es are in \

UX (PIP) VOLTAG			NSIS.
Q3301	4.4	8.4	3.7
Q3302	0	GND	0.7
Q3305	0.1	GND	0.7
Q3306	0.6	0	1.2
Q3307	0.2	GND	0.8
Q3310	0	4.3	GND
Q3312	0	0	0.6
Q3314	3.7	GND	4.4
Q3322	4.4	8.7	3.7
•		All voltage	s are in \

[3D DIGITAL, COMB FILTER, AV SW, AUDIO CONTROL, SRS, PIP ENCODE, CHROMA DECODE] [COMPONENT SIDE]



UX (PIP) BOARD (*) MARK LIST

		KV-32XBR250 KV-34FX250C KV-36XBR250
REF. NO.	LOCATION	KV-38FX250 KV-38FX250C KV-38FX250T
C3377	H-5	0.1
C3378	H-6	560p
C3380	H-6	0.1
C3381	H-6	0.0068
C3382	H-6	0.068
C3383	H-8	0.1
IC3307	G-7	Z86130112SSC
Q3322	G-5	2SD601A-Q
R3308	G-6	0
R3325	G-5	100
R3392	G-5	0
R3393	H-5	100
R3394	H-5	470
R3398	H-6	6.8K
R3399	H-8	100
R3401	G-8	100
R3402	G-8	100
R3404	H-7	10K

	DIODE			IC		TI	RANSISTOR			Α	В		Α	В
	Α	В		Α	В		Α	В	Q266		B-1	Q2011		Α-
D231	B-4		IC261	A-6		Q212		A-1	Q267	D-6		Q2012	C-3	
D232	B-4		IC1051	D-7		Q231		C-1	Q268		A-2	Q2013		В-
D233	B-4		IC2003	B-2		Q233		C-2	Q1051		D-1	Q2014		В
D234	A-4		IC2004	B-2		Q234		C-1	Q1201		A-2	Q2015		В
D235	B-4		IC2005	A-1		Q235		C-1	Q1202		B-2	Q2016		В
D236	B-4		IC2006	A-4		Q236		C-1	Q1203	D-6		Q2017		A-
D237	B-5		IC2007	B-2		Q237	B-7		Q1204	D-5		Q2018		C-
D238	B-5		IC2009	B-5		Q238		C-2	Q1205	A-5		Q2019		C-
D239	B-5		IC3302	D-1		Q239		C-2	Q1206		D-3	Q2119		В
D245		C-1	IC3303	D-2		Q240		C-2	Q1405		A-1	Q3301		С
D246		C-1	IC3304	C-3		Q241		C-2	Q1406		A-1	Q3302	E-2	
D247		C-2	IC3305	D-3		Q242		D-2	Q2001		A-5	Q3305	E-1	
D248		C-1	IC3307		C-7	Q243		C-2	Q2003		A-4	Q3306		Е
D249		C-2				Q244		C-2	Q2004		A-4	Q3307	E-2	
D250		D-2				Q245		D-2	Q2005		A-4	Q3310		С
D261	B-7					Q246		B-1	Q2006	A - 4		Q3312		Е
D902	D-6					Q262		A-2	Q2007		B-3	Q3314	C-1	
D910	D-4					Q263		A-2	Q2008		A-3	Q3322		D
D911	D-4					Q264	A-9		Q2009		A-3			
D1051		D-1				Q265		A-2	Q2010		A-3			
D2005	B-3													
D1052		D-1												
D2201	D-5													
D2202	D. F.													

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FOLDOUT 65-68 5/10/99, 11:42 AM

KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K

UY MAIN BOARD (*) MARK LIST KV-32FS10 KV-32FV15 KV-34FV15C REF. NO. LOCATION KV-36FS10 KV-36FV15 KV-34FV15K KV-38FV15T CN261 A-10 # CONNECTOR CONNECTOR CN263 A-8 # BOARD # MTZJ-T-9110 MTZJ-T-9110 # MTZJ-T-9110 MTZJ-T-9110 D902 M-2 D910 J-2 # MTZJ-T-9110 MTZJ-T-9110 D912 K-2 J902 M-2 J905 K-2 Q202 E-4 # 2SD601A-Q 2SD601A-Q # 2SD601A-Q 2SD601A-Q Q203 E-4 Q205 E-4 Q206 E-4 Q208 E-5 Q209 F-5 # 2SD601A-Q 2SD601A-Q Q263 C-9 2SA1162-G # 2SA1162-G Q264 E-11 2SA1162-G Q265 D-12 2SD601A-Q Q267 L-5 2SA1162-G Q1051 K-13 2SA1162-G Q1201 C-8 2SA1162-G Q1202 D-8 2SD601A-Q Q1203 M-10 2SD601A-Q Q1204 L-10 2SA1162-G Q1205 C-7 2SD601A-Q R212 E-3 # 47K # 22K R214 E-3 R219 D-4 R221 F-4 R226 D-4 R229 E-5 R290 F-8

R1266 E-5 # 470

R1269 F-4 # 470 R1277 G-10 # 100

VOLTAG	E LIST		
	В	С	Е
Q202	2.7	8.1	2.1
Q203	2.7	8.1	2.1
Q205	8.1	4.1	8.7
Q206	8.1	4.1	8.7
Q208	4	9.1	3.4
Q209	4	9.1	3.4
Q210	2.7	9.1	2.1
Q211	2.7	9.1	2.1
Q212	4.6	9.1	3.9
Q231	0	0.2	GND
Q233	-0.1	0	GND
Q234	-0.1	0	GND
Q235	-0.1	0	GND
Q236	-0.1	0	GND
Q237	4.6	GND	0.3
Q238	4.7	GND	5.3
Q239	4.7	GND	5.3
Q246	0.3	0.2	GND
Q262	4.6	GND	5.2
Q263	4.6	GND	5.2
Q264	4.4	GND	5.0
Q265	4.5	9.1	3.8
Q267	0.2	GND	0.9
Q1051	9.1	-1.4	9.0
Q1201	8.6	0	9.1
Q1202	0	4.4	GND
Q1203	0	4.4	GND
Q1204	8.6	0	9.1
Q1205	4.6	9.1	4.0
Q1206	4.6	9.1	4.0
Q1207	8.9	3.8	9.0
Q1208	8.9	3.8	9.0
Q2003	1.1	GND	1.8
Q2004	1.1	GND	1.8
Q2005	4.5	9.1	3.8
Q2006	4.5	9.1	3.9
Q2007	2.3	4.4	1.7
Q2008	2.3	4.6	1.6
Q2009	4.4	9.1	3.7
Q2010	4.6	9.1	3.9
Q2014	5.1	9.1	4.4
Q2014	5.1	9.1	4.4

UY (MAIN) BOARD TRANSISTOR

1.0 Vp-p (H) 2.0 Vp-p (H) 1.0 Vp-p (H)

UY (M	IAIN) B	OARD	IC VOL	Γ <mark>AGE L</mark>	IST						
IC2	261	26	NC	53	4.4	14	4.7	IC3	504	25	0
pin	volt	27	4.5	54	4.6	15	4.7	pin	volt	26	0
1	4.5	28	4.5	55	4.4	16	8.9	1	1.4	27	4.8
2	4.5	29	4.5	56	4.4	IC2	006	2	1.4	28	GND
3	4.5	30	0	57	GND	pin	volt	3	0.5	29	GND
4	4.5	31	4.7	58	4.4	IN	9.0	4	0	30	GND
5	4.5	32	4.7	59	4.5	OUT	4.9	5	4.8	31	GND
6	4.5	33	GND	60	4.5	GND	GND	6	2.6	32	GND
7	4.5	34	NC	61	4.5	IC2	009	7	1.0	33	GND
8	4.5	35	4.2	62	4.5	pin	volt	8	4.8	34	4.8
9	NC	36	NC	63	4.5	1	4.8	9	1.0	35	GND
10	4.5	37	GND	64	4.5	2	GND	10	0	36	GND
11	NC	38	NC	IC1	051	3	4.8	11	2.7	37	2.3
12	0	39	9	pin	volt	4	NC	12	2.0	38	4.8
13	4.5	40	NC	1	NC	5	4.8	13	2.0	39	GND
14	4.5	41	NC	2	NC	6	NC	14	1.0	40	2.2
15	4.5	42	4.4	3	0.4	7	NC	15	GND	41	2.2
16	4.5	43	NC	4	NC	8	GND	16	4.8	42	3.3
17	4.5	44	NC	5	6.1	9	4.7	17	0.3	43	0
18	0	45	NC	6	NC	10	4.7	18	GND	44	3.3
19	4.5	46	GND	7	NC	11	4.8	19	0.3	45	4.8
20	4.5	47	NC	8	GND	12	NC	20	0	46	4.8
21	4.5	48	GND	9	6.0	13	NC	21	4.8	47	GND
22	4.5	49	4.5	10	NC	14	GND	22	4.8	48	GND
23	4.5	50	4.5	11	GND	15	NC	23	0	All volt	ages are ir
24	NC	51	4.5	12	8.9	16	NC	24	0		
25	NC	52	4.6	13	GND						

470

— 71 — — 70 — <u> — 72 — </u>

CN265 TO AK BOARD

CN265 CN1464

R3595
-CHIP R3591
-CHIP R3591
-CHIP R3591
-CHIP R3591
-CHIP R3591
-CHIP R3590
-CHIP R3591
-CHIP R3590

C3570 C3589 3 1 1 1 C3589 3 1 1 C3589 3 1 1 C3589 3 1 1 C3589 3 1

DVSS (DVDD) TEST (TEST (

R3582 R3527 R3583 C3563 C3563 P5 C4HP

C2007 C2008 100 0.1 100 25V 10V F:CHIP

JRIOZO
O :CHIP
JRIOIS
RIOIS
RI

JRI022 JRI022 JRI0222 JRI0222

JR1023

L3581 3 L3582 FLR50 FLR50

R3599 ≤ .CHIP

IC1051 CXA1315M D∕A CONV.

01051
OFF WUTE RIDES

R2057 lk ≱ :CHIP

UY

| SD LINE COMB FILTER AV SW AUDIO CONTROL SRS

FOLDOUT 69-72A 5/10/99, 9:06 AM

TO A MOUNT CN270

UY MAIN BOARD SCHEMATIC DIAGRAM

VIDEO4

SIRCS OUT MESS-LINK IN3

JACK 3P LY SIRCS IN S-LINK OUT

MIZV-9110 RZSI BICHIP MIZV-9110 PROTECTOR

R237 C236 D237 D237 C736 PR07ECTOR

20210 250601A R228 W DVD R-Y

D250
R03.3SB R1260
LIMITER :CHIP
W

#238 | R1288 | C237 | PROTECTOR

TO AK MOUNT CN261 TO AK MOUNT CN1467

R1268 ≸ :CHIP

0264 BUFFER

TO A MOUNT _____CN264 | | | | |

R1207 470 ≸ :RN-CP ≸

R1239 470 :RN-CP ₹

OFF-PAGE CONNECTOR

DVO SW2 WAIN UP? WAIN UP? WAIN UP? SUB VP? P R-V? P P-V? P P VS?

R269 5,6K :CHIP R2 VIDEO3IN

100 160 0262 160 25B709A BUFFER

SUB OUT TRAP2 (\$\frac{1}{2} \)

SUB OUT \$\frac{1}{2} \)

R OUT2 (\$\frac{1}{2} \)

V OUT2 (\$\frac{1}{2} \)

TV OUT \(\frac{\text{V OUT3}}{\text{V OUT3}} \) \(\frac{\text{R1279 100 : CHIP}}{\text{ADR}} \)

IC261 CXA18450 A.V-SWITCH

L4 R6 C4 SSW4 V5 Y5 Y5 Y5 C5 SSW5

D261 NTZJ-9110 PROTECT

R1218 0 ≸ :CHIP

2.2 Vp-p (H)

2.0 Vp-p (H)

1.0 Vp-p (H) 2.0 Vp-p (H)

1.0 Vp-p (H)

1.7 Vp-p (H)

UY (MAIN) BOARD WAVEFORMS

KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K WA BOARD SCHEMATIC DIAGRAM UY (PIP) BOARD (*) MARK LIST UY PIP BOARD SCHEMATIC DIAGRAM KV-32FV15 KV-34FV15C REF. NO. LOCATION KV-36FV15 KV-34FV15K NECK ASSY **UY (PIP) BOARD WAVEFORMS** L - -----2.0 Vp-p (H) 1.8 Vp-p (8MHz) 4.6 Vp-p (H) 1.2 Vp-p (H) 3.6 Vp-p (V) 6.5 Vp-p (H) 3.0 Vp-p (H) 3.8 Vp-p (V) 4.5 Vp-p (V) PIP ENCODE CHROMA DECODE WA (VELOCITY MOD.) か B-968<AA2W>JY... UY (PIP) BOARD TRANSISTOR B-968<AA2W>-WA... **VOLTAGE LIST** WA BOARD IC VOLTAGE LIST [3D LINE, COMB FILTER, AV SW, AUDIO CONTROL, SRS] | 2 | 0.3 | 3 | 6.6 | 3 | 4.6 | 3 | 4.4 | GND | 4 | GND | GN [CONDUCTOR SIDE] [COMPONENT SIDE] [VELOCITY MOD., QUAD POLE ROT.] WA BOARD TRANSISTOR VOLTAGE LIST

B
C
E
 Q943
 3.5
 8.3
 2.9

 Q944
 2.6
 11.9
 1.9

 Q945
 2.6
 8.0
 1.9

 Q946
 134.0
 67.5
 134.6

 Q947
 0.9
 67.5
 0.3

 Q948
 0
 1.7
 GND

 Q961
 0.4
 0.3
 GND
 | D232 | B-4 | | C2006 | A-4 | | C2006 | A-4 | C2006 | D-5 | C2006 | D-1 | C2006 | D-5 | C2006 | D-2 | C2006 | D-2 | C2006 | D-3 | C2007 | C20
 Q948
 0
 1.7
 GND

 Q961
 0.4
 0.3
 GND

 Q962
 0.4
 GND
 1.1

 Q963
 6.1
 GND
 6.2

 Q966
 8.0
 GND
 8.4

 Q967
 6.8
 0.4
 7.4

 Q968
 8.8
 11.9
 8.4

 Q969
 7.4
 8.0
 6.8

 Q1961
 11.7
 2.4
 11.8

 Q1963
 7.2
 6.4
 7.8

 Q1964
 6.4
 4.2
 7.0

 Q1966
 -2.0
 3.5
 GND

 Q1967
 4.2
 GND
 4.8
 All voltages are in V
 WA BOARD TRANSISTOR

 VOLTAGE LIST

 D
 G
 S

 Q965
 4.9
 6.2
 GND
 All voltages are in V ← UY main board

— 75 —

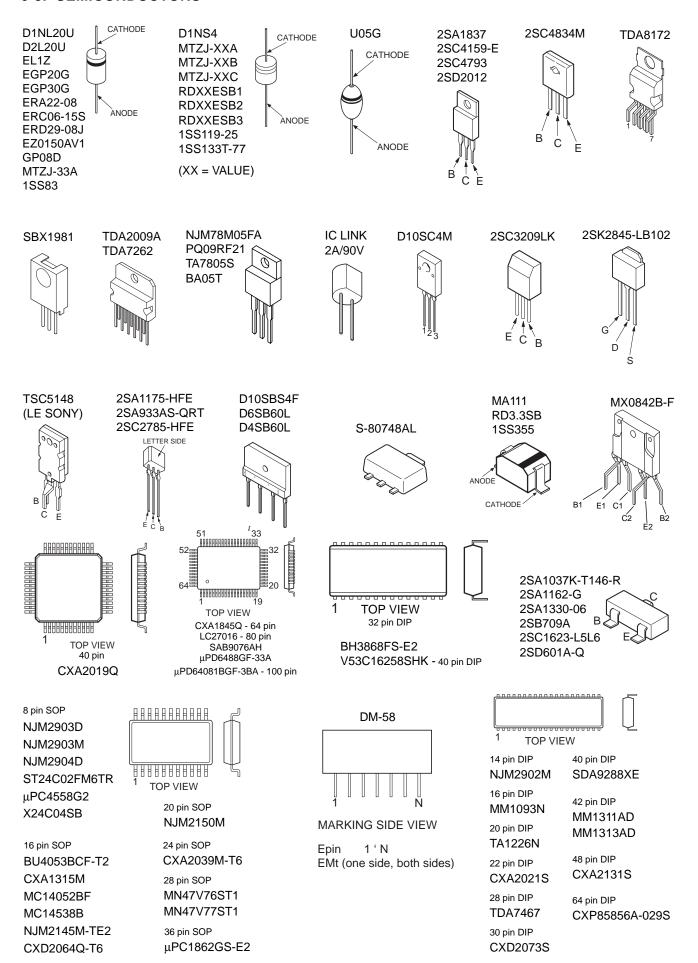
FOLDOUT 73-76a 2 5/12/99, 12:15 PM

— 74 —

UY PIP WA boards →

— 73 —

6-8. SEMICONDUCTORS



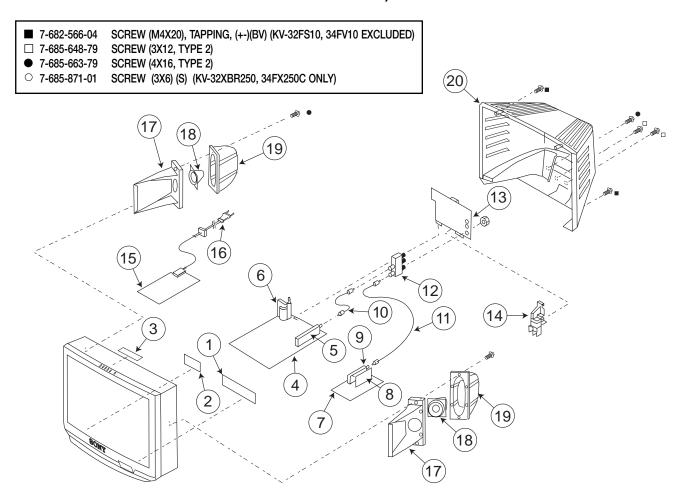
SECTION 7 EXPLODED VIEW

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.
- Items marked with an asterisk "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and " Δ " are critical for safety. Replace only with specified part number.

Les composants identifies per un trame et une marque $extstyle \Delta$ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-1. CHASSIS (KV-32FS10/32FV15/32FV15C/32XBR250/34FV10 34FV15/34FV15K/34FV15T/34FX250C)



REF	NO. PART NO.	DESCRIPTION REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK
1	* A-1372-634-A	HA BOARD, COMPLETE	5 🛦 8-598-477-00	TUNER, FSS BTF-WG4	11 (KV-3//FV/15T Only)
2	* A-1372-635-A	HB BOARD, COMPLETE	6 1-453-286-11	FBT ASSY, NX4600//X	
3	* A-1372-636-A	HX BOARD, COMPLETE	7 * A-1298-956-A	AK BOARD, COMPLETE	
4	* A-1298-890-A	A BOARD, COMPLETE (KV-32FS10/		(KV-32FS10/34FV10 Onl	y)
		32FV15/32XBR250/34FV10/34FV15/34FV15C/	7 * A-1298-957-A	AK BOARD, COMPLETE	(KV32FV15/34FV15/
		34FX250C Only)		34FV15C/34FV15K/34FV	/15T Only)
4	* A-1298-965-A	A BOARD, COMPLETE (KV34FV15T Only)	7 * A-1298-980-A	AK BOARD, COMPLETE 34FX250C Only)	: (KV-32XBR250/
4	* A-1298-969-A	A BOARD, COMPLETE (KV34FV15K Only)		••	
5 🗸	№ 8-598-431-00	TUNER, FSS BTF-WA411	8 * A-1394-934-A	T BOARD, COMPLETE (KV-32XBR250/
		(KV-32FS10/32FV15/32XBR250/34FV10/		34FX250C Only)	
		34FV15/34FV15C/34FX250C Only)	9 \Lambda 8-598-430-00	TUNER, BTF-FA401	
5 ∠	№ 8-598-475-00	TUNER, FSS BTF-WL411	10 1-557-056-31	CABLE, P-P (KV-32FV1	5/32XBR250/34FV15/
		(KV-34FV15K Only)		34FV15C/34FV15K/34FV	/15T/34FX250C Only)

The components identified by shading and " Δ " are critical for safety. Replace only with specified part number.

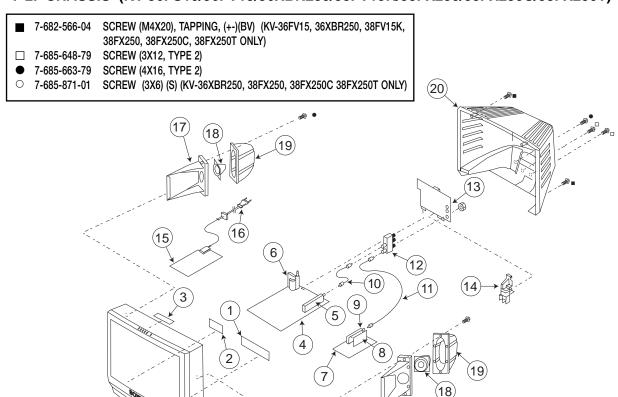
Les composants identifies per un trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION	REMARK REI	.NO. PART NO.	DESCRIPTION	REMARK
11 1-556-945-21	CABLE, P-P (KV-32FV15/32XBI 34FV15C/34FV15K/34FV15T/34F		<u>↑</u> 1-769-796-71	CORD, POWER (WITH CO (KV-34FV15C/34FX250C C	•
12 8-598-414-10	ANTENNA CHANGER AS-2F (KV-32FV15/32XBR250/34FV15/ 34FV15K/34FV15T/34FX250C O	34FV15C/	<u>↑</u> 1-775-468-11	CORD, POWER (WITH CO (KV-34FV15K Only) CORD, AC POWER (WITH	NNECTOR)
13 * A-1394-947-A	UX BOARD, COMPLETE (KV-32XBR250 Only)	16 2	<u>1</u> 1-790-313-21	(KV-34FV10/34FV15 Only) CORD, AC POWER (WITH	CONNECTOR)
13 * A-1394-948-A 13 * A-1394-938-A	UX BOARD, COMPLETE KV-34 UY BOARD, COMPLETE (KV-32FS10/34FV10 Only)	-X250C Only) 17 *	4-068-988-01	(KV-32FS10/32FV15/32XBI BAFFLE, SPEAKER	R250/34FV15T Only)
13 * A-1394-943-A	UY BOARD, COMPLETE (KV-32FV15 Only)	18	1-529-336-11 1-529-358-11	SPEAKER (1-WAY) (KV-32 32FV15/34FV15K/34FV15T SPEAKER (2-WAY) (KV-32	Only)
13 * A-1394-944-A	UY BOARD, COMPLETE (KV-34 34FV15C/34FV15K/34FV15T On	ly) 19 *	4-068-987-01	34FV10/34FV15/34FV15C/ BOX, SPEAKER	
14 3-696-606-02 15 * A-1316-397-A	HINGE, VI G BOARD, COMPLETE (KV-32F 32XBR250 Only)	S10/32FV15/ 20	4-069-000-01 4-069-000-21	COVER, REAR (KV-32FV15 34FV15T/34FX250C Only) COVER, REAR (KV-32FS10	
15 * A-1316-423-A 15 * A-1316-470-A	G BOARD, COMPLETE (KV-34F GA BOARD, COMPLETE (KV-34 34FV15C/34FV15K/34FX250C C	FV10/34FV15/		34FV15C/34FV15K Only)	,

The components identified by shading and " \triangle " are critical for safety. Replace only with specified part number.

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-2. CHASSIS (KV-36FS10/36FV15/36XBR250/38FV15K/38FX250C/38FX250T)

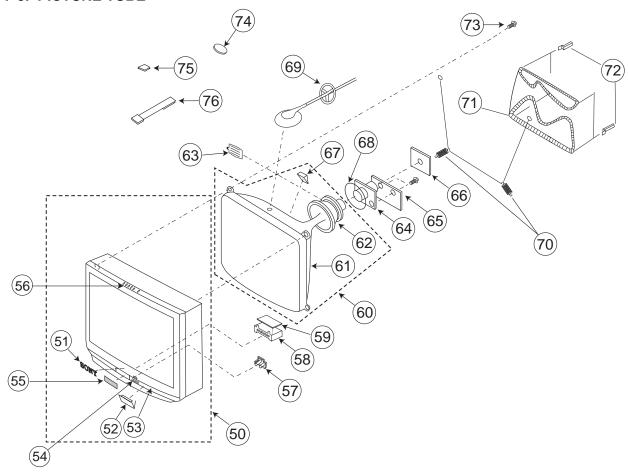


			\circ		
REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK
1 * A-1372-634-A 2 * A-1372-635-A 3 * A-1372-636-A 4 * A-1298-961-A	HB BOARD, COMPLETE HX BOARD, COMPLETE A BOARD, COMPLETE (KV 36XBR250/38FX250/38FX2	/-36FS10/36FV15/ 50C Only)	13 * A-1394-938-A 13 * A-1394-943-A 13 * A-1394-944-A 13 * A-1394-947-A 13 * A-1394-948-A	UY BOARD, COMPLETE UY BOARD, COMPLETE UY BOARD, COMPLETE UX BOARD, COMPLETE UX BOARD, COMPLETE (KV-38FX250/38FX250C/	(KV-36FV15 Only) (KV-38FV15K Only) (KV-36XBR250 Only)
4 * A-1298-994-A 5 ★ 8-598-431-00 5 ★ 8-598-475-00 5 ★ 8-598-477-00 6 ★ 1-453-286-11	A BOARD, COMPLETE (KV- TUNER, FSS BTF-WA411 (k 36XBR250/38FX250/38FX25 TUNER, FSS BTF-WL411 (l TUNER, FSS BTF-WG411 (k FBT ASSY, NX4600//X4C4	(V-36FS10/36FV15/ 0C Only (V-38FV15K Only) (V-38FX250T Only)	14 3-696-606-02 15 * A-1316-397-A 15 * A-1316-423-A 15 * A-1316-470-A	HINGE, VI G BOARD, COMPLETE 36FV15/36XBR250 Only G BOARD, COMPLETE GA BOARD, COMPLETE (KV-38FV15K/38FX250/3) (KV-38FX250T Only) E
7 * A-1298-956-A	(KV-36FS10 Only)		16 1-769-796-71	CORD, POWER (WITH C (KV-38FX250/38FX250C	CONNECTOR)
7 * A-1298-957-A 7 * A-1298-980-A	38FV15K Only) AK BOARD, COMPLETE (K	V-36XBR250/	16 1-775-468-11	CORD, POWER (WITH C (KV-38FV15K Only)	•
8 * A-1394-934-A	38FX250/38FX250C/38FX25	36XBR250/ 50T Only)	16 <u>↑</u> 1-790-317-21 17 * 4-068-988-01	CORD, AC POWER (WIT (KV-36FS10/36FV15/36X BAFFLE, SPEAKER	(BR250/38FX250T Only)
9 <u>A</u> 8-598-430-00 10 1-557-056-31	TUNER, FSS BTF-FA401 CABLE, P-P (KV-36FV15/3	6XBR250/38FV15K/	18 1-529-336-11 18 1-529-358-11	SPEAKER (1-WAY) (KV- 36FV15/38FV15K Only) SPEAKER (2-WAY) (KV-	
11 1-556-945-21 12 8-598-414-10	38FX250/38FX250C/38FX25 CABLE, P-P (KV-36FV15/3 38FX250/38FX250C/38FX25 ANTENNA CHANGER AS-2 36XBR250/38FV15K/38FX2 38FX250T Only)	6XBR250/38FV15K/ 50T Only) F (KV-36FV15/	19 * 4-068-987-01 20 4-068-998-01	38FX250/38FX250C/38F BOX, SPEAKER COVER, REAR (KV-36F3 38FV15K/38FX250/38FX	S10/36FV15/36XBR250,

The components identified by shading and " Δ " mark are critical for safety. Replace only with specified part number.

Les composants identifies per un trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-3. PICTURE TUBE



REF.NO	. PART NO.	DESCRIPTION	REMARK	REI	F.NO.	PART NO.	DESCRIPTION	REMARK
50	X-4036-678-2	BEZNET ASSY (KV-32FS10 Only)	51-53	54 55		8-984-01 8-991-01	MULTI-BUTTON (BOTTOM) PANEL, IR	
50	X-4036-679-1	BEZNET ASSY (KV-32FV15/34FV15T Only)	51-53				(KV-32XBR250/34FX250C/3 38FX250/38FX250C/38FX25	
50	X-4036-679-2	BEZNET ASSY (KV-34FV10/34FV15/34FV1: 34FV15K Only)	51-53 5C/	56 57 58	* 4-06	8-982-01 8-986-01 8-992-01	MULTI-BUTTON (TOP) GUIDE, LED CASE, IR SHIELD	,
50	X-4036-680-1	BEZNET ASSY (KV-32XBR250/34FX250C C	• •				(KV-32XBR250/34FX250C/3 38FX250/38FX250C/38FX25	,
50	X-4036-683-1	BEZNET ASSY (KV-36FS10 Only)	51-53	59	4-07	1-399-01	CUSHION, 45MM X 100MM (KV-36XBR250/38FX250/38	
50	X-4036-684-1	BEZNET ASSY 36FV15/38FV15K Only)	51-53	60.∕∆	8-73	5-047-61	38FX250T Only) ITC 34RSN-A1	61-62
50	X-4036-685-1	BEZNET ASSY (KV-36XBR250/38FX250/38 38FX250T Only)	51-53 FX250C,			5-050-61 5-048-61	(KV-32FV15/32XBR250 Only ITC 34RSN-A1E (KV-34FX25 ITC 38RSN-A1	,
51 52 53	3-704-179-31 4-068-985-01 3-703-574-00	EMBLEM (NO. 9), SONY DOOR RETAINER, DOOR					(KV-36FS10/36FV15/36XBR 38FX250/38FX250T Only)	1250/38FV15K/

The components identified by shading and " Δ " mark are critical for safety. Replace only with specified part number.

Les composants identifies per un trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION	REMARK	REF.N	IO. PART NO.	DESCRIPTION	REMARK
60 ♠ 8-735-080-61 61 ♠ 8-735-047-05 62 ♠ 8-451-499-21 63 2-163-920-01	ITC 38RSN-A1E (KV-38l CRT 34RSN (KV-32FS1l 34FV15C/34FV15K/34F DY Y34RSA-X (KV-32F 34FV15C/34FV15K/34F PLATE, TLH CORRECT (KV-32FS10/34FV10/34 34FV15K/34FV15T Only NA324-M4 (KV-32FS10	0/34FV10/34FV15/ /15T Only) S10/34FV10/34FV15/ /15T Only) ON FV15/34FV15C/)	71 🛭	3-704-372-31 4-036-329-01 \(\(\) 1-419-163-11 \(\) 1-419-193-11 \(\) 1-416-827-11	HOLDER, HV CABLE SPRING (B), TENSION COIL, DEMAGNETIZATI (KV-34FV10/34FV15/34F 34FX250C Only) COIL, DEMAGNETIZATI (KV-38FV15K/38FX250/3 COIL, DEMAGNETIZATI	FV15C/34FV15K/ ON 38FX250C Only) ON
04 /1\ 0-400-007-41	34FV15C/34FV15K/34F				(KV-32FS10/32FV15/32)	
65 * A-1375-187-A	WA BOARD, MOUNTED 32XBR250/34FV10/34FV	15/34FV15K/		∆ 1-416-828-11	COIL, DEMAGNETIZATI (KV-36FS10/36FV15/36) 38FX250T Only)	
65 * A-1375-191-A	34FV15T/34FX250C Onl WA BOARD, MOUNTED 36XBR250/36XBR250C 38FX250C/38FX250T O	(KV-36FS10/36FV15/ /38FV15K/38FX250/	72 73 74	4-065-895-02 4-046-765-01 1-452-094-00	HOLDER, DGC SCREW, TAPPING (7) +C DISC, CIRCULAR (KV-3 34FV15/34FV15C/34FV1	2FS10/34FV10/
66 *A-1331-942-A 67 4-053-005-01	C BOARD, COMPLETE SPACER, DY (KV-32FS 34FV15C/34FV15K/34F		75	1-452-032-00	MAGNET, DISC (KV-32FS10/34FV10/34I 34FV15K/34FV15T Only	FV15/34FV15C,
68 1-452-896-11	COIL, NA ROTATION (k 34FV15C/34FV15K/34F		76	4-062-047-01	PIECE A (110), CONV Ć (KV-32FS10/34FV10/34I 34FV15K/34FV15T Only	FV15/34FV15C/

SECTION 8 ELECTRICAL PARTS LIST

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KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K/ 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K **NOTES:**

SECTION 8 ELECTRICAL PARTS LIST



Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque Λ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• Items marked with a asterisk " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- · All resistors are in ohms
- F: nonflammable

When indicating parts by reference number, please include the board name.

REF.	NO. PART NO. DESCRIPTION	<u>ON</u>	R	EMARK	REF.NO	D. PART NO.	DESCRIPTION	<u> </u>	RE	MARK
	¬				C301	1-136-165-00 FIL	_M	0.1µF	5%	50V
$\perp \Delta$.				C306	1-163-233-11 CE	RAMIC CHIP	18pF	5%	50V
	\				C308	1-163-005-11 CE	RAMIC CHIP	470pF	10%	50V
	** *** *** *** * * * * * * * * * * * * *				C309	1-126-959-11 EL	ECT .	0.47µF	20%	50V
4010	*A-1298-890-A A BOARD, COMPL		-0 (0 4 F) (0)		C310	1-104-664-11 EL	ECT .	47μF	20%	25V
(KV-3	2FS10/32FV15/32XBR250/34FV10/3		5C/34FX2	50C only)						
	*A-1298-961-A A BOARD, COMPL				C311	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
	(KV-36FS10/36FV15/36XBR250/38				C312	1-126-963-11 EL	.ECT	4.7µF	20%	50V
	*A-1298-965-A A BOARD, COMPL	•	•	,	C314	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
	*A-1298-969-A A BOARD, COMPL	•		'	C316	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
	*A-1298-993-A A BOARD, COMPL *A-1298-994-A A BOARD, COMPL	•		,	C318	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
	4.000.054.44.00DFW/M0V40\ D	01477			C319	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
	4-382-854-11 SCREW (M3X10), P,	SW (+)			C320	1-126-935-11 EL	ECT	470µF	20%	16V
					C321	1-163-031-11 CE	RAMIC CHIP	0.01µF		50V
					C322	1-163-031-11 CE	RAMIC CHIP	0.01µF		50V
	CAPACITOR				C323	1-163-031-11 CE	ERAMIC CHIP	0.01µF		50V
C001	1-163-259-91 CERAMIC CHIP	220pF	5%	50V	C326	1-165-319-11 CE	ERAMIC CHIP	0.1µF		50V
C003	1-163-809-11 CERAMIC CHIP	0.047µF	10%	25V	C327	1-126-963-11 EL	.ECT	4.7µF	20%	50V
C005	1-126-960-11 ELECT	1μF	20%	50V	C329	1-165-319-11 CE	RAMIC CHIP	0.1µF		50V
C009	1-104-664-11 ELECT	47µF	20%	25V	C331	1-126-964-11 EL	.ECT	10μ F	20%	50V
C010	1-163-037-11 CERAMIC CHIP	0.022µF	10%	50V	C332	1-126-960-11 EL	ECT	1μF	20%	50V
C012	1-163-010-11 CERAMIC CHIP	0.0012µF	10%	50V	C333	1-102-129-00 CE	ERAMIC	0.01µF	10%	50V
C013	1-163-038-91 CERAMIC CHIP	0.1µF		25V	C334	1-163-021-91 CE	ERAMIC CHIP	0.01µF	10%	50V
C014	1-163-017-00 CERAMIC CHIP	0.0047µF	10%	50V	C336	1-163-009-11 CE	ERAMIC CHIP	0.001µF	10%	50V
C023	1-163-259-91 CERAMIC CHIP	220pF	5%	50V	C338	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
C028	1-163-227-11 CERAMIC CHIP	10pF	0.5pF	50V	C339	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
C029	1-163-227-11 CERAMIC CHIP	10pF	0.5pF	50V	C340	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
C035	1-163-237-11 CERAMIC CHIP	27pF	5%	50V	C343	1-163-038-91 CE		0.1µF		25V
C036	1-163-231-11 CERAMIC CHIP	15pF	5%	50V	C344	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
C037	1-163-243-11 CERAMIC CHIP	47pF	5%	50V	C345	1-163-038-91 CE		0.1µF		25V
C038	1-163-243-11 CERAMIC CHIP	47pF	5%	50V	C351	1-163-031-11 CE	ERAMIC CHIP	0.01µF		50V
C039	1-163-243-11 CERAMIC CHIP	47pF	5%	50V	C352	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
C040	1-163-243-11 CERAMIC CHIP	47pF	5%	50V	C355	1-163-021-91 CE		0.01µF	10%	50V
C051	1-164-161-11 CERAMIC CHIP	0.0022µF	10%	50V	C357	1-126-967-11 EL	.ECT	47μF	20%	50V
C053	1-163-021-91 CERAMIC CHIP	0.01µF	10%	50V	C359	1-163-038-91 CE	RAMIC CHIP	0.1µF		25V
C056	1-163-243-11 CERAMIC CHIP	47pF	5%	50V	C361	1-163-038-91 CE	RAMIC CHIP	0.1µF		25V
C061	1-163-037-11 CERAMIC CHIP	0.022µF	10%	50V	C374	1-163-038-91 CE	ERAMIC CHIP	0.1µF		25V
C062	1-163-037-11 CERAMIC CHIP	0.022µF	10%	50V	C375	1-163-038-91 CE		0.1µF		25V
C063	1-126-941-11 ELECT	470µF	20%	25V	C382	1-163-038-91 CE		0.1µF		25V
C068	1-163-021-91 CERAMIC CHIP	0.01µF	10%	50V	C384	1-163-038-91 CE		0.1µF		25V
C071	1-164-096-11 CERAMIC	0.01µF		50V	C393	1-163-038-91 CE		0.1µF		25V
C072	1-164-161-11 CERAMIC CHIP	0.0022µF	10%	50V	C204	1-163-038-91 CE	EDAMIC CHID	0.1uE		25\/
C075	1-107-823-11 CERAMIC CHIP	0.0022µi 0.47µF	10%	16V	C394 C395	1-103-038-91 CE 1-104-664-11 EI		0.1μF 47μF	20%	25V 25V
23.0		νμι	.070		0333	i iu t uut II El	LLUI	+1 μι	ZU /0	2J V



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					part number
	IO DADT N	DECCRIPTION			DEMARK
REF.I	NO. PART NO	D. DESCRIPTION	<u> </u>		REMARK
C396		CERAMIC CHIP	0.01µF	10%	50V
C397	1-104-664-11	ELECT	47µF	20%	25V
C398	1-126-961-11		2.2µF	20%	50V
C501	1-102-110-00		220pF	10%	50V
C502	1-126-959-11	ELECT	0.47µF	20%	50V
C503	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C504	1-102-228-00	CERAMIC	470pF	10%	500V
C505	1-102-228-00		470pF	10%	500V
C506	1-106-383-00	MYLAR	0.047µF	10%	200V
C507	1-162-116-00	CERAMIC	680pF	10%	2KV
C508	1-102-228-00	CERAMIC	470pF	10%	500V
C509	1-162-116-00	CERAMIC	680pF	10%	2KV
C510	1-137-150-11	MYLAR	0.01µF	10%	100V
	1-117-652-11		22000pF	3%	2KV
C512	1-129-928-00		0.0027µF	10%	630V
0312	1-129-920-00	FILIVI	0.0027μΓ	1076	0307
C513	∆1-130-118-00	FILM	0.051µF	5%	400V
C514 <u>/</u> 1	1-115-521-11	FILM	0.82µF	5%	250V
C515	1-106-343-00	MYLAR	0.001µF	10%	100V
C516	1-136-540-11	FILM	0.82µF	5%	200V
C517	1-107-649-11	ELECT	2.2µF	20%	250V
C518	1-106-387-00		0.068µF	10%	200V
C519	1-107-612-11	CERAMIC	100pF	5%	500V
C520	1-164-646-11		2200pF	10%	500V
C521 C522	1-163-010-11 1-126-960-11	CERAMIC CHIP ELECT	0.0012μF 1μF	10% 20%	50V 50V
U322	1-120-900-11	ELECT	iμr	20%	30V
C525	1-102-244-00	CERAMIC	220pF	10%	500V
C526	1-107-662-11	ELECT	22µF	20%	250V
C527	1-162-116-00		680pF	10%	2KV
C528	1-164-161-11		0.0022µF	10%	50V
C529	1-128-551-11	ELECT	22µF	20%	25V
C530	1-137-366-11	FILM	0.0022µF	5%	50V
C531	1-126-965-11	ELECT	22µF	20%	50V
C532	1-126-965-11	ELECT	22µF	20%	50V
C534	1-126-967-11		47μF	20%	50V
C537	1-126-941-11	ELECT	470µF	20%	25V
C539	1-126-941-11	ELECT	470µF	20%	25V
C540	1-107-995-11		100µF	0	160V
C541	1-128-560-11	ELECT	22µF	20%	100V
C543	1-104-666-11		220µF	20%	25V
C544	1-129-718-00		0.022µF	5%	630V
C545	1-106-387-00	MYLAR	0.068µF	10%	200V
C546	1-106-343-00	MYLAR	0.001µF	10%	100V
C547	1-106-343-00	MYLAR	0.001µF	10%	100V
C548	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C549	1-106-375-12	MYLAR	0.022µF	20%	200V
C550	1-102-002-00	CERAMIC	680pF	10%	500V
C551	1-109-954-11	ELECT	0.47µF	20%	160V
C552	1-102-244-00		220pF	10%	500V
C553	1-117-665-11		0.33µF	5%	250V
C554	1-104-491-11	FILM	0.0047µF	3%	2KV
C561	1-126-967-11		47µF	20%	50V
CEGO	1 104 666 44	ELECT	220	200/	25//
C563 C564	1-104-666-11 1-126-960-11	ELECT	220μF 1μF	20% 20%	25V 50V
0004	1-120-300-11	LLLUI	īμī	ZU /0	50 V

REF.N	O. PART NO.	DESCRIPTION		REM	MARK
C565	1-126-969-11	ELECT	220µF	20%	50V
C568	1-136-169-00	FILM	0.22µF	5%	50V
C571	1-126-942-61	ELECT	1000μF	20%	25V
C572	1-126-942-61	ELECT	1000μF	20%	25V
C1002	1-126-964-11	ELECT	10µF	20%	50V
C1003	1-126-961-11	ELECT	2.2µF	20%	50V
C1004	1-126-960-11	ELECT	1μF	20%	50V
C1101	1-126-943-11	ELECT	2200µF	20%	25V
C1103	1-126-965-11	ELECT	22µF	20%	50V
C1104	1-104-664-11	ELECT	47µF	20%	25V
C1105	1-104-664-11	ELECT	47µF	20%	25V
C1106	1-126-964-11	ELECT	10μF	20%	50V
C1107	1-163-037-11	CERAMIC CHIP	0.022µF	10%	50V
C1108	1-128-551-11	ELECT	22µF	20%	25V
C1109	1-126-964-11	ELECT	10μF	20%	50V
C1110	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C1111	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C1112	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C1117		ELECT	1μF	20%	50V
C1118	1-126-960-11	ELECT	1μF	20%	50V
C1355		CERAMIC CHIP	0.001µF	10%	50V
C1356	1-126-964-11	ELECT1	10μF	20%	50V
C1357	1-164-005-11	CERAMIC CHIP	0.47µF		16V
C1358		ELECT	330µF	20%	25V
C1359	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C1360	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C1361		CERAMIC CHIP	39pF	5%	50V
C1362			0.0047µF	10%	50V
C1363		CERAMIC CHIP	0.01µF		50V
C1367	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C1369		CERAMIC CHIP	0.1µF		25V
C1370		ELECT	10μF	20%	50V
C1371			0.0047µF	10%	50V
C1372		CERAMIC CHIP	0.0047µF	10%	50V
C1373	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C1501	<u> </u>	FILM	0.1µF	5%	250V

CONNECTOR

CN270 * 1-691-616-21	CONNECTOR, BOARD TO BOARD	15P
CN271 * 1-691-616-21	CONNECTOR, BOARD TO BOARD	15P
CN272 * 1-691-616-21	CONNECTOR, BOARD TO BOARD	15P
CN351 * 1-564-509-11	PLUG, CONNECTOR	6P
CN501 * 1-580-798-11	CONNECTOR PIN (DY)	6P
CN503 * 1-564-508-11	PLUG, CONNECTOR	5P
CN1001*1-564-508-11	PLUG, CONNECTOR	5P
CN1002*1-564-506-11	PLUG, CONNECTOR	3P
CN1101*1-564-515-11	PLUG, CONNECTOR	12P
CN1102*1-564-507-11	PLUG, CONNECTOR	4P
CN1231*1-564-512-11	PLUG, CONNECTOR	9P
CN1641*1-564-515-11	PLUG, CONNECTOR	12P
CN1643 1-695-915-11	TAB (CONTACT)	
CN1941*1-564-511-11	PLUG, CONNECTOR	8P
CN1942*1-564-508-11	PLUG, CONNECTOR	5P

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

COMPLETE PARTS LISTING



REF.NO.	PART NO.	<u>DE</u>	SCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		RE	<u>EMARK</u>
D	IODE				D1302	8-719-991-33	DIODE 1SS133T-77			
							DIODE MA111-TX			
0001 8-	-719-991-33	DIODE 18	SS133T-77				DIODE MA111-TX			
0002 8-	-719-109-89	DIODE RI	D5.6ESB2		D1305	8-719-404-50	DIODE MA111-TX			
0003 8-	-719-991-33	DIODE 19	SS133T-77		D1306	8-719-404-50	DIODE MA111-TX			
0004 8-	719-110-17	DIODE RI	D10ESB2							
	719-109-72									
, , , ,	110 100 12	DIODE III	00.02002			FERRITE	BEAD			
012 8-	-719-991-33	DIODE 19	SS133T-77							
0013 8-	-719-991-33	DIODE 19	SS133T-77		FB501	1-410-397-21	FERRITE	1.1µH		
0014 8-	-719-991-33	DIODE 19	SS133T-77		FB502	1-410-397-21	FERRITE	1.1µH		
015 8-	-719-991-33	DIODE 18	SS133T-77			1-410-397-21		1.1µH		
016 8-	-719-991-33	DIODE 19	SS133T-77							
2040 0	740 404 50	DIODE M	A 444 TV							
	719-404-50					<u>IC</u>				
	-719-404-50									
	-719-404-50				IC001	8-752-903-74	IC CXP85856A-024Q			
	-719-991-33				IC002	8-759-527-76	IC M24C08-MN6T			
0303 8-	-719-921-44	DIODE M	TZJ-5.1C		IC351	8-759-710-86	IC NJM2233BM			
					IC352	8-752-080-75	IC CXA2039M-T6			
	-719-991-33				IC353	8-759-462-91	IC TA1226N			
	-719-921-80				1					
)388 8-	-719-921-80	DIODE M	TZJ-11B		IC354	8-752-082-49	IC CXA2119M			
)501 8-	-719-109-89	DIODE RI	D5.6ESB2		IC355	8-752-088-86	IC CXA2131S			
0502 8-	-719-945-80	DIODE E	RC06-15S		1		IC NJM2903M			
					IC561 <u>/</u> 1	∆8-759-192-71	IC STV9379			
	-719-945-80				IC1001	8-752-058-68	IC CXA1315M			
	-719-900-26									
505 8-	-719-908-03	DIODE G	P08D							
506 8-	-719-908-03	DIODE G	P08D			CHIP CON	DUCTOR			
507 8-	-719-991-33	DIODE 19	SS133T-77			OIIII OON	DOOTOR			
					JR001	1-216-295-91	SHORT			
	-719-300-33				JR002	1-216-295-91	SHORT			
	-719-970-87				JR003	1-216-295-91	SHORT			
	-719-970-87				JR004	1-216-049-91	RES, CHIP	1K	5%	1/10W
	-719-110-41					1-216-295-91	•			
D515 <u>∕</u> 8-	-719-302-43	DIODE EI	L1Z							
						1-216-295-91				
	-719-991-33				JR054	1-216-295-91	SHORT			
0518 8-	-719-991-33	DIODE 18	SS133T-77		JR4120	1-216-295-91	SHORT			
D519 <u>∕</u> 18-	-719-302-43	DIODE EI	L1Z							
	-719-991-33					COIL				
0521 8-	-719-921-63	DIODE M	TZJ-7.5B		1,004	1 111 057 11	INDUCTOR	100		
		D.O.D.E. 44			L001	1-414-857-11		100µH		
	-719-991-33				L002	1-414-857-11		100µH		
			TZJ-T-77-3.6B		L003	1-414-856-11		10µH		
)524 8-	-719-109-97	DIODE M	TZJ-T-77-6.8B		L004	1-414-856-11		10µH		
0530∆\8-	-719-979-85	DIODE E	GP20G		L301	1-414-857-11	INDUCTOR	100µH		
531 8-	-719-979-85	DIODE E	GP20G		1,000	4 444 050 44	INDUCTOR	40		
					L302	1-414-856-11		10µH		
0534 8-	-719-302-43	DIODE EI	L1Z		L351	1-414-186-31		33µH		
	-719-404-50	DIODE M	A111-TX		L501	1-406-677-11		10mH		
	-216-295-91				L502	1-412-552-11		2.2mH		
	719-908-03		P08D		L503	1-406-677-11	INDUCTOR	10mH		
	719-110-17				1504	4 400 077 ::	INDUCTOR	40		
					L504	1-406-677-11		10mH		
		DIODE RI	D10ESB2		L505	1-406-976-11		68µH		
	719-110-17		·		L511	1-411-189-11		15mH		
01004 8-	-719-110-17 -719-110-17		D10ESB2		1 1547	1-412-552-11	INDUCTOR	2.2mH		
)1004 8-)1101 8-	-719-110-17	DIODE RI			L517					
)1004 8-)1101 8-)1102 8-	-719-110-17 -719-982-24	DIODE RI DIODE M	TZJ-T-77-33A			1-414-857-11	INDUCTOR	100µH		
01004 8- 01101 8- 01102 8- 01103 8-	-719-110-17 -719-982-24 -719-109-89	DIODE RI DIODE M DIODE RI	TZJ-T-77-33A D5.6ESB2		L1101	1-414-857-11		100µH		
01004 8- 01101 8- 01102 8- 01103 8-	-719-110-17 -719-982-24	DIODE RI DIODE M DIODE RI	TZJ-T-77-33A D5.6ESB2		L1101 L1102	1-414-857-11 1-414-856-11	INDUCTOR	10µH		
01004 8- 01101 8- 01102 8- 01103 8- 01104 8-	-719-110-17 -719-982-24 -719-109-89	DIODE RI DIODE M DIODE RI DIODE RI	TZJ-T-77-33A D5.6ESB2 D10ESB2		L1101 L1102 L1351	1-414-857-11	INDUCTOR INDUCTOR	·		



Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

		partmanibe	. opcome		р.500 ро.		. с срос.	
REF.	NO. PART NO. <u>DESCRIPTION</u>	REMARK	REF.NC). PART NO.	DESCRIP	TION	RE	EMARK
	TRANSISTOR			RESISTOR				
Q001	8-729-216-22 TRANSISTOR 2SA1162-G		Doo4	4 040 057 00 5	DEC 01"D	0.014	F 0/	4/40\4/
Q002				1-216-057-00		2.2K	5%	1/10W
Q003	8-729-422-27 TRANSISTOR 2SD601A-Q		R002 R003	1-216-049-91 1-216-097-91		1K 100K	5% 5%	1/10W 1/10W
Q004	8-729-216-22 TRANSISTOR 2SA1162-G		R003	1-216-097-91		1M	5% 5%	1/10W
Q005	8-729-422-27 TRANSISTOR 2SD601A-Q		R006	1-247-815-91		220	5%	1/4W
Q006			R007	1-216-073-00	RES, CHIP	10K	5%	1/10W
Q007			R008	1-247-815-91	CARBON	220	5%	1/4W
Q010			R009	1-216-073-00	RES, CHIP	10K	5%	1/10W
Q011	8-729-422-27 TRANSISTOR 2SD601A-Q		R010	1-216-041-00		470	5%	1/10W
QUIZ	8-729-422-27 TRANSISTOR 2SD601A-Q		R011	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
Q013			R012	1-216-033-00	RES, CHIP	220	5%	1/10W
Q014			R013	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
Q015	8-729-422-27 TRANSISTOR 2SD601A-Q		R014	1-216-065-91 l	RES, CHIP	4.7K	5%	1/10W
Q016			R015	1-216-073-00	RES, CHIP	10K	5%	1/10W
Q017	8-729-216-22 TRANSISTOR 2SA1162-G		R016	1-216-073-00	RES, CHIP	10K	5%	1/10W
Q103	8-729-216-22 TRANSISTOR 2SA1162-G		R019	1-249-425-11 (CARBON	4.7K	5%	1/4W
Q104	8-729-216-22 TRANSISTOR 2SA1162-G		R020	1-216-065-91		4.7K	5%	1/10W
Q301	8-729-422-27 TRANSISTOR 2SD601A-Q		R022	1-249-429-11 (10K	5%	1/4W
Q303	8-729-422-27 TRANSISTOR 2SD601A-Q		R023	1-216-089-91	RES, CHIP	47K	5%	1/10W
Q304	8-729-216-22 TRANSISTOR 2SA1162-G		R025	1-216-033-00	RES, CHIP	220	5%	1/10W
Q305	8-729-216-22 TRANSISTOR 2SA1162-G		R026	1-216-121-91	DES CHID	1M	5%	1/10W
Q306	8-729-216-22 TRANSISTOR 2SA1162-G		R027	1-216-049-91		1K	5%	1/10W
Q307	8-729-422-27 TRANSISTOR 2SD601A-Q		R028	1-249-429-11 (•	10K	5%	1/4W
Q310	8-729-216-22 TRANSISTOR 2SA1162-G		R029	1-216-025-91		100	5%	1/10W
Q311	8-729-216-22 TRANSISTOR 2SA1162-G		R030	1-249-425-11 (4.7K	5%	1/4W
Q313			R031	1-247-815-91 (CARBON	220	5%	1/4W
Q314			R032	1-216-033-00		220	5%	1/10W
Q351	8-729-422-27 TRANSISTOR 2SD601A-Q		R036	1-216-049-91		1K	5%	1/10W
Q352	8-729-422-27 TRANSISTOR 2SD601A-Q		R037	1-216-049-91	RES, CHIP	1K	5%	1/10W
Q359	8-729-216-22 TRANSISTOR 2SA1162-G		R038	1-216-049-91	RES, CHIP	1K	5%	1/10W
Q361	8-729-422-27 TRANSISTOR 2SD601A-Q		R039	1-247-807-31	CARBON	100	5%	1/4W
Q362	8-729-422-27 TRANSISTOR 2SD601A-Q		R040	1-247-815-91		220	5%	1/4W
Q364	8-729-216-22 TRANSISTOR 2SA1162-G		R041	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
Q369	8-729-422-27 TRANSISTOR 2SD601A-Q		R042	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
Q370	8-729-422-27 TRANSISTOR 2SD601A-Q		R043	1-216-033-00	RES, CHIP	220	5%	1/10W
Q501	8-729-140-50 TRANSISTOR 2SC3209LK		R044	1-216-049-91	RES, CHIP	1K	5%	1/10W
Q502Z	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		R045	1-247-815-91	-	220	5%	1/4W
Q503	8-729-422-27 TRANSISTOR 2SD601A-Q		R046	1-247-815-91 (CARBON	220	5%	1/4W
Q504	8-729-422-27 TRANSISTOR 2SD601A-Q		R047	1-249-417-11 (1K	5%	1/4W
Q507	8-729-043-95 TRANSISTOR 2SC3840(3)		R048	1-249-417-11 (CARBON	1K	5%	1/4W
Q511	∆8-729-422-27 TRANSISTOR 2SD601A-Q		R049	1-249-417-11 (1K	5%	1/4W
Q512/	<u> </u>		R050	1-247-815-91 (220	5%	1/4W
Q561	8-729-422-27 TRANSISTOR 2SD601A-Q		R051	1-247-815-91 (220	5%	1/4W
Q562	8-729-422-27 TRANSISTOR 2SD601A-Q		R052	1-216-065-91		4.7K	5% 5%	1/10W
	8-729-119-78 TRANSISTOR 2SC2785-HFE		R053	1-216-065-91	KES, CHIP	4.7K	5%	1/10W
04400	0.700.400.07.TDANOIOTOD.000004.4.0		R054	1-216-065-91		4.7K	5%	1/10W
	8-729-422-27 TRANSISTOR 2SD601A-Q		R055	1-216-097-91	,	100K	5%	1/10W
	8-729-216-22 TRANSISTOR 2SA1162-G		R056	1-216-033-00		220	5%	1/10W
	8-729-422-27 TRANSISTOR 2SD601A-Q 8-729-422-27 TRANSISTOR 2SD601A-Q		R057	1-249-417-11 (1K	5%	1/4W
	8-729-422-27 TRANSISTOR 2SD601A-Q		R058	1-216-041-00	RES, CHIP	470	5%	1/10W
_			R060	1-216-073-00	RES, CHIP	10K	5%	1/10W
	8-729-216-22 TRANSISTOR 2SA1162-G		R061	1-216-073-00	RES, CHIP	10K	5%	1/10W
Q1354	8-729-422-27 TRANSISTOR 2SD601A-Q		-					

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

COMPLETE PARTS LISTING



REF.N	NO. PART NO.	DESCR	<u>IPTION</u>	ļ	REMARK	REF.NO	PART NO.	DESCRIPT	ION	RE	MARK
R062	1-216-073-00 RE	S, CHIP	10K	5%	1/10W	R321	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R063	1-216-073-00 RES	S, CHIP	10K	5%	1/10W	R324	1-216-073-00	RES, CHIP	10K	5%	1/10W
R064	1-247-815-91 CAI	RBON	220	5%	1/4W	R325	1-216-033-00	RES, CHIP	220	5%	1/10W
R065	1-247-815-91 CAI		220	5%	1/4W		1-216-085-00	•	33K	5%	1/10W
R066	1-247-815-91 CAI		220	5%	1/4W	II	1-216-033-00	,	220	5%	1/10W
D007	4 040 440 44 04	DDON	470	F 0/	4 /4\\	Poon.	1 200 006 11	DEC CUID	101/	0.500/	1/10W
R067	1-249-413-11 CAF		470	5%	1/4W		1-208-806-11		10K	0.50%	
R068	1-247-815-91 CAI		220	5%	1/4W	1	1-216-065-91	·	4.7K	5%	1/10W
R069	1-247-815-91 CAI	RBON	220	5%	1/4W	R332	1-216-033-00	RES, CHIP	220	5%	1/10W
R070	1-249-421-11 CAF	RBON	2.2K	5%	1/4W	R334	1-216-033-00	RES, CHIP	220	5%	1/10W
R071	1-247-815-91 CAI	RBON	220	5%	1/4W	R335	1-216-033-00	RES, CHIP	220	5%	1/10W
R072	1-216-033-00 RE	S CHIP	220	5%	1/10W	R336	1-216-049-91	RES. CHIP	1K	5%	1/10W
R073	1-216-033-00 RES	-	220	5%	1/10W	R337	1-216-347-11 I	•	0.68	5%	1W F
					1/10W		1-216-105-91		220K	5%	1/10W
R074	1-216-033-00 RES		220	5%				•			
R075	1-216-033-00 RE	-	220	5%	1/10W		1-216-073-00	*	10K	5%	1/10W
R076	1-216-033-00 RES	S, CHIP	220	5%	1/10W	R342	1-216-097-91	RES, CHIP	100K	5%	1/10W
R077	1-216-033-00 RE	S, CHIP	220	5%	1/10W	R343	1-216-093-91	RES, CHIP	68K	5%	1/10W
R078	1-249-417-11 CAF		1K	5%	1/4W	R344	1-216-073-00	RES, CHIP	10K	5%	1/10W
R079	1-216-033-00 RES		220	5%	1/10W	R346	1-216-023-00	RES, CHIP	82	5%	1/10W
R080	1-216-065-91 RES	,	4.7K	5%	1/10W		1-216-041-00	·	470	5%	1/10W
							1-216-033-00	-, -	220	5%	1/10W
R081	1-216-025-91 RE	S, CHIP	100	5%	1/10W	N340	1-210-033-00	KES, CHIF	220	376	1/1000
R082	1-216-025-91 RES	S, CHIP	100	5%	1/10W	R349	1-216-041-00	RES, CHIP	470	5%	1/10W
R083	1-249-429-11 CAF	RBON	10K	5%	1/4W	R350	1-247-807-31	CARBON	100	5%	1/4W
R084	1-216-049-91 RES	S. CHIP	1K	5%	1/10W	R352	1-208-803-11	RES. CHIP	7.5K	0.50%	1/10W
R085	1-216-065-91 RES		4.7K	5%	1/10W		1-216-295-91	,			
R086		-	10K	5%	1/10W	I	1-216-073-00		10K	5%	1/10W
KU00	1-216-073-00 RES	5, CHIP	IUN	5%	1/1000	1334	1-210-073-00	NLO, GI IIF	IUN	370	1/1000
R087	1-247-815-91 CAI	RBON	220	5%	1/4W	R355	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
R089	1-216-073-00 RES	S, CHIP	10K	5%	1/10W	R356	1-216-025-91	RES, CHIP	100	5%	1/10W
R090	1-216-033-00 RES	S. CHIP	220	5%	1/10W	R358	1-216-295-91	SHORT			
R092	1-249-429-11 CAF	-	10K	5%	1/4W		1-216-073-00		10K	5%	1/10W
R093	1-216-065-91 RE		4.7K	5%	1/10W	1	1-247-815-91	*	220	5%	1/4W
								550 01115	414		
R096	1-216-033-00 RE		220	5%	1/10W		1-216-049-91		1K	5%	1/10W
R097	1-216-065-91 RE	S, CHIP	4.7K	5%	1/10W		1-216-073-00	·	10K	5%	1/10W
R099	1-216-065-91 RES	S, CHIP	4.7K	5%	1/10W	R370	1-216-049-91	RES, CHIP	1K	5%	1/10W
R106	1-216-081-00 RES	S. CHIP	22K	5%	1/10W	R372	1-216-097-91	RES, CHIP	100K	5%	1/10W
R107	1-216-081-00 RE	-	22K	5%	1/10W	R373	1-216-121-91	RES, CHIP	1M	5%	1/10W
D100	1 216 091 00 DE	C CUID	2214	E0/	1/10\\	P374	1-216-041-00	DEC CHID	470	5%	1/10W
	1-216-081-00 RES		22K	5% 5%	1/10W						
R109	1-216-081-00 RES	•	22K	5%	1/10W		1-216-049-91	·	1K	5%	1/10W
R131	1-216-037-00 RE		330	5%	1/10W		1-216-025-91		100	5%	1/10W
R132	1-216-113-00 RES	S, CHIP	470K	5%	1/10W		1-216-083-00	*	27K	5%	1/10W
R133	1-216-037-00 RE	S, CHIP	330	5%	1/10W	R383	1-216-025-91	RES, CHIP	100	5%	1/10W
R135	1-216-073-00 RES	S CHIP	10K	5%	1/10W	R384	1-216-037-00	RES. CHIP	330	5%	1/10W
R136	1-216-073-00 RES	*	10K	5%	1/10W		1-249-425-11	·	4.7K	5%	1/4W
		-									
R137	1-216-049-91 RES	,	1K	5%	1/10W	1	1-216-073-00		10K	5%	1/10W
R304	1-216-033-00 RES	*	220	5%	1/10W		1-216-037-00		330	5%	1/10W
R305	1-247-815-91 CAI	RBON	220	5%	1/4W	R398	1-216-095-00	KES, CHIP	82K	5%	1/10W
R306	1-247-815-91 CAI	RBON	220	5%	1/4W	R501	1-216-041-00	RES, CHIP	470	5%	1/10W
R307	1-216-295-91 SH						1-216-065-91		4.7K	5%	1/10W
R309	1-216-295-91 SH						1-249-425-11	•	4.7K	5%	1/4W F
			101/	E0/	1/10\\	R504			560	5%	2W F
R311	1-216-073-00 RES	•	10K	5%	1/10W	R504 R505	1-216-455-21 1-247-863-91		22K	5% 5%	2VV F 1/4W
R313	1-216-065-91 RES	o, unip	4.7K	5%	1/10W	1,505	1-2-11-003-31	OUNDOIN	221\	J/0	1/ 4 V V
R314	1-216-073-00 RES	S, CHIP	10K	5%	1/10W	R506	1-215-861-00	METAL OXIDE	47	5%	1W F
R315	1-216-073-00 RES	S, CHIP	10K	5%	1/10W	R507	1-249-401-11	CARBON	47	5%	1/4W
	1-216-073-00 RES		10K	5%	1/10W	R508	1-249-425-11	CARBON	4.7K	5%	1/4W
R316	1-210-0/3-00 KE										
	1-216-057-00 RES		2.2K	5%	1/10W	R509	1-260-328-11	CARBON	1K	5%	1/2W



COMPLETE PARTS LISTING

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

The components identified by \mathbf{M} in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF.N	O. PART NO	D. DESCRIPTIO	<u>N</u>	RE	MARK		REF.NO.	PART NO.	DESCRIPTION		REM	<u>ARK</u>
R512	1-215-910-00	METAL OXIDE	68	5%	3W F			1-216-081-00		22K	5%	1/10W
	1-216-081-00		22K	5%	1/10W		R572	1-216-081-00	RES, CHIP	22K	5%	1/10W
	1-208-812-11	,	18K	0.50%	1/10W		R573	1-216-097-91	,	100K	5%	1/10W
	1-208-790-11	,	2.2K	0.50%	1/10W		R574	1-214-798-21		1.8	1%	1/2W
R517	1-249-417-11	CARBON	1K	5%	1/4W		R576	1-215-905-11	METAL OXIDE	10	5%	3W F
R518	1-216-073-00	RES, CHIP	10K	5%	1/10W		R577	1-216-049-91	RES, CHIP	1K	5%	1/10W
R519	1-249-413-11	CARBON	470	5%	1/4W		R578	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R520	1-215-907-11	METAL OXIDE	22	5%	3W F		R580	1-249-441-11	CARBON	100K	5%	1/4W
	1-216-081-00		22K	5%	1/10W		R581	1-247-887-00		220K	5%	1/4W
R523	1-208-808-11	RES, CHIP	12K	0.50%	1/10W		R582	1-249-421-11	CARBON	2.2K	5%	1/4W
R524	1-249-429-11	CARBON	10K	5%	1/4W		R1001	1-247-807-31	CARBON	100	5%	1/4W
R525	1-208-804-11	RES, CHIP	8.2K	0.50%	1/10W		R1002	1-247-807-31	CARBON	100	5%	1/4W
	1-215-880-00	METAL OXIDE	10	5%	2W F		R1003	1-216-073-00	RES, CHIP	10K	5%	1/10W
	1-216-097-91		100K	5%	1/10W			1-216-073-00		10K	5%	1/10W
R528	1-208-814-91	RES, CHIP	22K	0.50%	1/10W		R1006	1-216-025-91	RES, CHIP	100	5%	1/10W
R529	1-208-814-91	RES, CHIP	22K	0.50%	1/10W			1-216-025-91		100	5%	1/10W
R530 ⚠	1-208-808-11	RES, CHIP	12K	0.50%	1/10W			1-249-387-11		3.3	5%	1/4W F
R531 /	1-216-091-00	RES. CHIP	56K	5%	1/10W			1-216-049-91	,	1K	5%	1/10W
	1-208-760-11	•	120	0.50%	1/10W			1-216-065-91	,	4.7K	5%	1/10W
		METAL OXIDE	47K	5%	1W F		R1031	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
							R1101	1-216-049-91	RES, CHIP	1K	5%	1/10W
R536 <u>∧</u>	1-260-288-11	CARBON	0.47	5%	1/2W		R1102	1-215-900-11	METAL OXIDE	22K	5%	2W F
R537 ⚠	1-260-288-11	CARBON	0.47	5%	1/2W		R1103	1-216-049-91	RES, CHIP	1K	5%	1/10W
	1-247-887-00		220K	5%	1/4W			1-216-083-00		27K	5%	1/10W
		METAL OXIDE	680	5%	2W F		R1105	1-216-689-11	RES, CHIP	39K	5%	1/10W
	1-216-093-91		68K	5%	1/10W							
								1-216-049-91		1K	5%	1/10W
R541	1-215-922-11	METAL OXIDE	6.8K	5%	3W F			1-216-065-91	,	4.7K	5%	1/10W
R542	1-215-921-11	METAL OXIDE	4.7K	5%	3W F			1-216-073-00 1-216-017-91	,	10K 47	5% 5%	1/10W 1/10W
R543⚠	1-249-377-11	CARBON	0.47	5%	1/4W F			1-216-017-91		47	5%	1/10W
R544	1-216-113-00	RES, CHIP	470K	5%	1/10W		KIIIO	1-210-017-31	NEO, OTHI	41	370	1/1000
	1-249-387-11		3.3	5%	1/4W F		R1111	1-216-017-91	RES. CHIP	47	5%	1/10W
. 10 .0		07.11.2011	0.0	0,0				1-249-417-11		1K	5%	1/4W
R546	1-215-453-00	METAI	22K	1%	1/4W		R1114	1-249-417-11	CARBON	1K	5%	1/4W
	1-215-457-00		33K	1%	1/4W		R1115	1-216-041-00	RES, CHIP	470	5%	1/10W
		METAL OXIDE	4.7K	5%	3W F		R1117	1-249-425-11	CARBON	4.7K	5%	1/4W
R549	1-215-437-00	METAL	4.7K	1%	1/4W							
R550 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F			1-249-425-11		4.7K	5%	1/4W
								1-216-059-00		2.7K	5%	1/10W
R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W F			1-216-037-00 1-216-113-00	,	330 470K	5% 5%	1/10W 1/10W
R552	1-216-455-21	METAL OXIDE	560	5%	2W F			1-216-113-00		330	5% 5%	1/10W
R553 ⚠	1-249-377-11	CARBON	0.47	5%	1/4W F		111120	1 210 001-00	NEO, OI III	550	J /U	1/1044
R554	1-215-894-11	METAL OXIDE	2.2K	5%	2W F		R1125	1-216-059-00	RES, CHIP	2.7K	5%	1/10W
R555	1-249-441-11	CARBON	100K	5%	1/4W		R1126	1-216-037-00	RES, CHIP	330	5%	1/10W
								1-216-113-00		470K	5%	1/10W
	1-249-441-11		100K	5%	1/4W			1-216-037-00		330	5%	1/10W
	1-249-441-11		100K	5%	1/4W		R1129	1-216-295-91	SHORT			
	1-216-017-91		47	5%	1/10W				DEG 0111D	a =1/	==.	
		METAL OXIDE	6.8K	5%	3W F			1-216-059-00	,	2.7K	5%	1/10W
R561	1-208-806-11	REO, UNIP	10K	0.50%	1/10W			1-249-401-11		47	5%	1/4W
R563	1-214-798-21	METAI	1.8	1%	1/2W			1-249-401-11		47 4 7 K	5% 5%	1/4W
		METAL OXIDE	330	5%	2W F			1-216-065-91		4.7K	5% 5%	1/10W
	1-216-069-00		6.8K	5%	1/10W		K1304	1-216-051-00	NEO, UTIL	1.2K	5%	1/10W
	1-249-385-11		2.2	5%	1/4W F		R1305	1-216-051-00	RES. CHIP	1.2K	5%	1/10W
	1-249-363-11		6.8K	5%	1/4VV F			1-216-049-91		1.21X	5%	1/10W
1/000	1-210-009-00	NEO, OITIF	0.01\	J/0	1/ 1000			1-216-295-91		• •		
R569	1-208-806-11	RES. CHIP	10K	0.50%	1/10W			1-216-049-91		1K	5%	1/10W
	1-216-097-91		100K	5%	1/10W	ı	R1315	1-216-025-91	RES, CHIP	100	5%	1/10W
						00						

Les composants identifies per un trame et une marque <u>∧</u> sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

COMPLETE PARTS LISTING



REF.N	IO. PART NO	DESC	RIPTION	<u> </u>	REMARK
R1316	1-216-091-00	RES. CHIP	56K	5%	1/10W
R1317	1-216-105-91	RES, CHIP	220K	5%	1/10W
R1318	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1319	1-260-290-71	CARBON	0.68	5%	1/2W
R1320	1-216-073-00	RES, CHIP	10K	5%	1/10W
R1321	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R1322	1-216-047-91		820	5%	1/10W
R1323	1-216-049-91		1K	5%	1/10W
R1324	1-216-295-91				
R1325	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R1330	1-216-065-91	,	4.7K	5%	1/10W
R1333	1-216-065-91	,	4.7K	5%	1/10W
R1337	1-216-049-91	- / -	1K	5%	1/10W
R1358	1-216-025-91	,	100	5%	1/10W
R1359	1-216-025-91	RES, CHIP	100	5%	1/10W
R1360	1-216-049-91	,	1K	5%	1/10W
R1361	1-216-049-91	,	1K	5%	1/10W
R1362	1-216-113-00		470K	5%	1/10W
R1363	1-216-057-00	-, -	2.2K	5%	1/10W
R1364	1-216-097-91	RES, CHIP	100K	5%	1/10W
R1365	1-216-089-91	,	47K	5%	1/10W
R1366	1-216-107-00		270K	5%	1/10W
R1369 R1371	1-216-093-91 1-216-295-91		68K	5%	1/10W
R1373	1-216-025-91		100	5%	1/10W
R1374	1-216-089-91	RES, CHIP	47K	5%	1/10W
R1385	1-216-049-91	RES, CHIP	1K	5%	1/10W
R1387	1-249-429-11	CARBON	10K	5%	1/4W
R1389	1-216-025-91	RES, CHIP	100	5%	1/10W
R1390	1-249-417-11	CARBON	1K	5%	1/4W
R1391	1-216-081-00		22K	5%	1/10W
R1392	1-216-081-00		22K	5%	1/10W
R1395	1-216-055-00		1.8K	5%	1/10W
R1397	1-216-025-91	,	100	5%	1/10W
R1398	1-216-033-00	RES, CHIP	220	5%	1/10W

REF.NO. PART NO.	DESCRIPTION	<u>REMARK</u>
<u>TUNER</u>		
	TUNER, FSS BTF-WA411 2XBR250/34FV10/34FV15/34	IFV15C/34FX250C/
•	R250/38FX250/38FX250C on	
TU102 18-598-475-00 (KV-34FV15K/38FV15	TUNER, FSS BTF-WL411 K only)	
TU102\(\times 8-598-477-00\) (KV-34FV15T/38FX250	TUNER, FSS BTF-WG411 OT only)	

CRYSTAL

X001 1-578-774-11 VIBRATOR, CRYSTAL 1-567-505-11 OSCILLATOR, CRYSTAL X302

SWITCH

1-572-707-11 SWITCH, LEVER S501 S502 1-572-707-11 SWITCH, LEVER

TRANSFORMER

T501 1-437-195-11 TRANSFORMER, HORIZONTAL DRIVE T502 1-426-981-11 TRANSFORMER, FERRITE (PMT) T503 1-453-286-11 FBT ASSY, NX-4600//X4C4 T504 ⚠ 1-424-584-11 TRANSFORMER, DYNAMIC FOCUS T505 1-419-192-11 COIL, HORIZONTAL LINEARITY

THERMISTOR

TH501 1-800-193-00 THERMISTOR



COMMON PARTS LISTING

REF.NO.	PART NO.	DESCRIPTION	REMARK
AK			

- * A-1298-956-A AK BOARD, COMPLETE (KV-32FS10/34FV10/36FS10 only)
- * A-1298-957-A AK BOARD, COMPLETE

(KV-32FV15/34FV15/34FV15C/34FV15K/34FV15T/ 36FV15/38FV15K only)

* A-1298-980-A AK BOARD, COMPLETE

(KV-32XBR250/34FX250C/36XBR250/38FX250/38FX250C/38FX250T only)

VARIANT (SEE VARIANT PARTS LIST)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C101

0101		WILLIAM (OLL WIL			
C102		VARIANT (SEE VAR	NANT PARTS I	IST)	
C104		VARIANT (SEE VAR	KIANT PARTS L	.151)	
C106		VARIANT (SEE VAR	RIANT PARTS L	IST)	
C108		VARIANT (SEE VAR			
C100		VARIANI (SEE VAR	MAINI FARIOL	.101)	
C109		VARIANT (SEE VAR	RIANT PARTS L	JST)	
C110		VARIANT (SEE VAR			
C111		VARIANT (SEE VAR	RIANT PARTS L	.IST)	
C113		VARIANT (SEE VAR	RIANT PARTS L	IST)	
C115		VARIANT (SEE VAR			
0110		VARIANT (OLL VAR	MANTIANTOL	.101)	
C175	1-126-941-11	ELECT	470µF	20%	25V
C440	1-126-965-11	FLECT	22µF	20%	50V
C441		CERAMIC CHIP		2070	
			0.1µF		50V
C442	1-126-960-11	ELECT	1µF	20%	50V
C443	1-165-319-11	CERAMIC CHIP	0.1µF		50V
00		02.000	٠٣.		
		0=0.1.000.00			
C444	1-164-346-11	CERAMIC CHIP	1µF		16V
C445	1-165-319-11	CERAMIC CHIP	0.1µF		50V
C446	1-164-346-11	CERAMIC CHIP	1μF		16V
				400/	
C447		CERAMIC CHIP	0.47µF	10%	16V
C448	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
			·		
C449	1 107 922 11	CERAMIC CHIP	0.47µF	10%	16V
C453	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C454	1-163-133-00	CERAMIC CHIP	470pF	5%	50V
C455	1-165-310-11	CERAMIC CHIP	0.1µF		50V
				400/	
C456	1-163-023-00	CERAMIC CHIP	0.015µF	10%	50V
C457	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
	1-126-963-11			20%	
C1401			4.7µF		50V
C1402	1-126-968-11	ELECT	100µF	20%	50V
C1403	1-126-963-11	ELECT	4.7µF	20%	50V
C1404	1-126-960-11		1µF	20%	50V
01404	1-120-900-11	LLLCI	īμī	20 /0	30 V
C1405	1-126-960-11	ELECT	1μF	20%	50V
C1406	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
				10%	
C1407		CERAMIC CHIP	0.033µF		25V
C1408	1-163-989-11	CERAMIC CHIP	0.033µF	10%	25V
C1409	1-164-182-11	CERAMIC CHIP	0.0033µF	10%	50V
•		02.0.000	отососы.	.070	
04 ***	4 400 010	050 4440 0: "5		4007	E01.1
C1410	1-163-018-00	CERAMIC CHIP	0.0056µF	10%	50V
C1411	1-164-182-11	CERAMIC CHIP	0.0033µF	10%	50V
C1412		CERAMIC CHIP	0.022µF	10%	50V
C1413		CERAMIC CHIP	0.001µF	10%	50V
C1414	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
			•		

REF.NO.	PART NO.	DESCRIPTION		REM	ARK
C1415	1-126-963-11	ELECT	4.7µF	20%	50V
C1416		-	4.7µF	20%	50V
C1417	1-126-963-11	ELECT	4.7µF	20%	50V
C1420		CERAMIC CHIP	0.022µF	10%	50V
C1421	1-126-963-11	ELECT	4.7µF	20%	50V
C1422	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C1423	1-126-941-11	ELECT	470µF	20%	25V
C1428	1-126-963-11	ELECT	4.7µF	20%	50V
C1429	1-126-963-11	ELECT	4.7µF	20%	50V
C1450	1-126-963-11	ELECT	4.7µF	20%	50V
C1451	1-126-963-11	ELECT	4.7µF	20%	50V
C1452	1-163-986-00	CERAMIC CHIP	0.027µF	10%	25V
C1461		-	1µF	20%	50V
C1462	1-126-960-11	ELECT	1μF	20%	50V
C1464	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C1465	1-126-960-11		1µF	20%	50V
C1467	1-104-666-11		220µF	20%	25V
C1468	1-126-960-11	ELECT	1µF	20%	50V
C1470		-	1µF	20%	50V
C1471	1-136-165-00	FILM	0.1µF	5%	50V
C1472			0.47µF	5%	50V
C1473			2200µF	20%	50V
C1474			0.1µF	5%	50V
C1475		-	2200µF	20%	50V
C1476	1-128-550-11	ELECT	2200µF	20%	50V
C1477	1-126-971-11		470µF	20%	50V
C1478	1-126-971-11		470µF	20%	50V
C1904		VARIANT (SEE VARIA			
C1905		VARIANT (SEE VARIA			
C1906		VARIANT (SEE VARIA	ANT PARTS LI	ST)	
C1907		VARIANT (SEE VARIA			
C1908		VARIANT (SEE VARIA			
C1909		VARIANT (SEE VARIA			
C1910		VARIANT (SEE VARIA			
C1911		VARIANT (SEE VARIA			
C1912		VARIANT (SEE VARIA	ANT PARTS LI	ST)	

CONNECTOR

CN1462*1-564-507-11 PLUG, CONNECTOR 4P
CN1463*1-564-509-11 PLUG, CONNECTOR 6P
CN1464*1-564-513-11 PLUG, CONNECTOR 10P
CN1465* VARIANT (SEE VARIANT PARTS LIST)
CN1466*1-564-515-11 PLUG, CONNECTOR 12P

CN1467* VARIANT (SEE VARIANT PARTS LIST)
CN1468 VARIANT (SEE VARIANT PARTS LIST)

DIODE

D101 VARIANT (SEE VARIANT PARTS L	JST)
D103 VARIANT (SEE VARIANT PARTS L	JST)
D104 VARIANT (SEE VARIANT PARTS L	JST)
D105 VARIANT (SEE VARIANT PARTS L	JST)
D106 VARIANT (SEE VARIANT PARTS L	JST)

Les composants identifies per un trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

COMMON PARTS LISTING



REF.N	O. PART NO	. DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPT	<u> </u>		REMARK
D107		VARIANT (SEE VARIANT PARTS LIST)		R113		VARIANT (SEE	VARIANT PARTS	LIST)	
D108		VARIANT (SEE VARIANT PARTS LIST)		R114		,	VARIANT PARTS	,	
D109		VARIANT (SEE VARIANT PARTS LIST)		R115		,	VARIANT PARTS	,	
D1461	8-719-991-33	DIODE 1SS133T-77		R116		VARIANT (SEE	VARIANT PARTS	LIST)	
D1463	8-719-991-33	DIODE 1SS133T-77		R117		VARIANT (SEE	VARIANT PARTS	LIST)	
		DIODE 1SS133T-77		R118		VARIANT (SEE	VARIANT PARTS	LIST)	
D1467	8-719-924-13	DIODE MTZJ-T-77-22B		R119		,	VARIANT PARTS	,	
D1468	8-719-924-13	DIODE MTZJ-T-77-22B		R440	1-216-049-91	,	1K	5%	1/10W
				R441	1-216-100-00	RES, CHIP	130K	5%	1/10W
	<u>IC</u>			R442	1-216-088-00	RES, CHIP	43K	5%	1/10W
	<u>10</u>			R443	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
IC1401	8-759-578-88	IC BH3868FS-E2		R444	1-216-089-91	RES, CHIP	47K	5%	1/10W
IC1402	8-759-100-96	IC UPC4558G2		R445	1-216-085-00	RES, CHIP	33K	5%	1/10W
IC1403	8-759-537-26	IC TDA7467D013TR		R446	1-216-063-91	RES, CHIP	3.9K	5%	1/10W
IC14612	<u> </u>	1 IC TA18200AH		R450		VARIANT (SEE	VARIANT PARTS	LIST)	
IC1901		VARIANT (SEE VARIANT PARTS LIST)							
IC1902		VARIANT (SEE VARIANT PARTS LIST)		R1403	1-216-121-91	RES, CHIP	1M	5%	1/10W
.0.002				R1404	1-216-295-91	SHORT			
				R1406	1-216-121-91	RES, CHIP	1M	5%	1/10W
	CHIP CONI	DUCTOR		R1407	1-216-073-00	RES, CHIP	10K	5%	1/10W
	OIIII OOIII	2001011		R1408	1-216-295-91	SHORT			
	1-216-295-91			R1409	1-216-295-91	SHORT			
JR1902	1-216-295-91	SHORT			1-216-081-00		22K	5%	1/10W
					1-216-073-00		10K	5%	1/10W
					1-216-089-91		47K	5%	
	COIL				1-216-089-91		47K	5%	
L102		VARIANT (SEE VARIANT PARTS LIST)		D1//15	1-216-025-91	DEC CUID	100	5%	1/10W
L105		VARIANT (SEE VARIANT PARTS LIST)			1-216-023-91		22K	5%	1/10W
L1401	1-414-857-11	,			1-216-081-00		22K 22K	5%	1/10W
		•			1-216-089-91		47K	5%	
					1-216-025-91		100	5%	1/10W
	IC LINK			D4400	4 040 000 00	DEC CUID	000	5 0/	4/40\\\
					1-216-033-00		220 220	5% 5%	1/10W
PS1461	<u>1-532-984-1</u>	1 LINK, IC 2A/90V			1-216-033-00		22U 22K		1/10W
					1-216-081-00 1-216-081-00		22K 22K	5% 5%	1/10W 1/10W
					1-216-065-91		4.7K	5%	1/10W
	TRANSIST	<u>OR</u>		101127	1 210 000 01	1120, 01111		070	1/1011
Q101		VARIANT (SEE VARIANT PARTS LIST)			1-216-033-00		220	5%	1/10W
Q105		VARIANT (SEE VARIANT PARTS LIST)			1-216-033-00	,	220	5%	1/10W
Q106		VARIANT (SEE VARIANT PARTS LIST)			1-216-057-00		2.2K	5%	1/10W
Q451		VARIANT (SEE VARIANT PARTS LIST)		1	1-216-073-00	*	10K	5%	1/10W
		TRANSISTOR 2SD601A-Q		R1464	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
04400	0.700.400.07	TRANSISTOR OSPOSAA O			1-216-089-91		47K	5%	1/10W
		TRANSISTOR 2SD601A-Q		R1466	1-216-089-91	RES, CHIP	47K	5%	1/10W
		TRANSISTOR DTC114EK			1-216-073-00		10K	5%	1/10W
		TRANSISTOR DTC114EK		R1469	1-249-389-11	CARBON	4.7	5%	1/4W F
Q1902 Q1903		VARIANT (SEE VARIANT PARTS LIST) VARIANT (SEE VARIANT PARTS LIST)		R1470	1-249-389-11	CARBON	4.7	5%	1/4W F
		,		R1471	1-216-049-91	RES, CHIP	1K	5%	1/10W
Q1918		VARIANT (SEE VARIANT PARTS LIST)			1-216-077-00		15K	5%	1/10W
					1-216-049-91		1K	5%	1/10W
					1-216-033-00		220	5%	1/10W
	RESISTOR				1-216-033-00		220	5%	1/10W
R101		VARIANT (SEE VARIANT PARTS LIST)		R1480	1-216-057-00	RES. CHIP	2.2K	5%	1/10W
R102		VARIANT (SEE VARIANT PARTS LIST)			1-216-057-00		2.2K	5%	1/10W
R103		VARIANT (SEE VARIANT PARTS LIST)		l	1-216-295-91			0,0	., 1011
R104		VARIANT (SEE VARIANT PARTS LIST)		l	1-216-295-91				
R112		VARIANT (SEE VARIANT PARTS LIST)		R1486			VARIANT PARTS	LIST)	
						,		,	



REF.NO.	PART NO. DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1487	VARIANT (SEE VARIANT PARTS LIS	T)				
R1902	VARIANT (SEE VARIANT PARTS LIS	T)				
R1904	VARIANT (SEE VARIANT PARTS LIS	T)				
R1906	VARIANT (SEE VARIANT PARTS LIS	T)				
R1907	VARIANT (SEE VARIANT PARTS LIS	T)				
R2904	VARIANT (SEE VARIANT PARTS LIS	T)				
R2905	VARIANT (SEE VARIANT PARTS LIS	T)				
R2909	VARIANT (SEE VARIANT PARTS LIS	T)				
R2910	VARIANT (SEE VARIANT PARTS LIS	T)				
R2912	VARIANT (SEE VARIANT PARTS LIS	T)				
R2913	VARIANT (SEE VARIANT PARTS LIS	T)				
R2914	VARIANT (SEE VARIANT PARTS LIS	T)				
R2915	VARIANT (SEE VARIANT PARTS LIS	T)				
R2916	VARIANT (SEE VARIANT PARTS LIS	T)				
<u>TL</u>	<u>INER</u>					
TU101	VARIANT (SEE VARIANT PARTS LIS	T)				



The parts on this page belong to the following model(s) only: KV-32FV15/34FV15/34FV15C/34FV15K/34FV15T/36FV15/38FV15K

REMARK

DESCRIPTION

PART NO.

REF.NO.

REF.NO. PART NO. DESCRIPTION REMARK

AK BOARD VARIANT PARTS LIST: KV-32FV15/34FV15/34FV15C/34FV15K/34FV15T/ 36FV15/38FV15K

CAPACITOR

C101	1-126-960-11	ELECT	1μF	20%	50V
C102	1-164-161-11	CERAMIC	0.0022μF	10%	50V
C104	1-126-964-11	ELECT	10μF	20%	50V
C106	1-104-664-11	ELECT	47μF	20%	25V
C108	1-126-942-61	ELECT	1000μF	20%	25V
C109	1-163-259-91	CERAMIC	220pF	5%	50V
C110	1-163-809-11	CERAMIC	0.047μF	10%	25V
C111	1-126-960-11	ELECT	1μF	20%	50V
C113	1-104-666-11	ELECT	220μF	20%	25V
C115	1-126-960-11	ELECT	1μF	20%	50V
C1904	1-102-129-00	CERAMIC	0.01µF	10%	50V
C1905	1-126-964-11	ELECT	10µF	20%	50V
C1906	1-102-129-00	CERAMIC	0.01µF	10%	50V
C1907	1-126-964-11	ELECT	10µF	20%	50V
C1908	1-163-009-11	CERAMIC	0.001µF	10%	50V
C1909	1-163-009-11	CERAMIC	0.001µF	10%	50V
C1910	1-163-009-11	CERAMIC	0.001µF	10%	50V
C1911	1-163-009-11	CERAMIC	0.001µF	10%	50V
C1912	1-163-009-11	CERAMIC	0.001µF	10%	50V

CONNECTOR

CN1467* 1-564-510-11 PLUG, CONNECTOR 7P CN1468 1-695-915-11 TAB (CONTACT)

DIODE

D101 D103 D104 D105 D106	8-719-109-89 8-719-991-33 8-719-991-33 8-719-991-33	DIODE RD5.6ESB2 DIODE 1SS133T-77 DIODE 1SS133T-77 DIODE 1SS133T-77 DIODE 1SS133T-77
D107	8-719-991-33	DIODE 1SS133T-77
D108	8-719-110-17	DIODE RD10ESB2
D109	8-719-110-17	DIODE RD10ESB2

<u>IC</u>

IC1901 8-752-058-68 IC CXA1315M IC1902 8-759-470-63 IC NJM2145M-TE2

COIL

L102	1-414-856-11	INDUCTOR	10µH
L105	1-414-857-11	INDUCTOR	100µH

KET.NO	FARTINO.	DESCRIPTION		KEN	IANN
	TRANSIST				
Q101	8-729-119-78	TRANSISTOR	2SC2785-HI	-E	
Q105	8-729-216-22	TRANSISTOR	2SA1162-G		
Q106	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q1902	8-729-216-22	TRANSISTOR	2SA1162-G		
Q1903	8-729-216-22	TRANSISTOR	2SA1162-G		
Q1918	8-729-216-22	TRANSISTOR	2SA1162-G		
	RESISTOR				
	KESISTON				
R101	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R102	1-216-083-00	RES, CHIP	27K	5%	1/10W
R103	1-216-689-11	RES, CHIP	39K	5%	1/10W
R104	1-216-049-91	RES, CHIP	1K	5%	1/10W
R112	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R113	1-216-097-91	RES, CHIP	100K	5%	1/10W
R114	1-216-121-91	RES, CHIP	1M	5%	1/10W
R115	1-216-073-00	RES, CHIP	10K	5%	1/10W
R116	1-216-073-00	RES, CHIP	10K	5%	1/10W
R117	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R118	1-208-774-11	RES, CHIP	470	0.50%	1/10W
R119	1-208-776-11	RES, CHIP	560	0.50%	1/10W
R1486	1-216-033-00	RES, CHIP	220	5%	1/10W
R1487	1-216-033-00	RES, CHIP	220	5%	1/10W
R1902	1-216-073-00	RES, CHIP	10K	5%	1/10W
R1904	1-216-073-00	RES, CHIP	10K	5%	1/10W
R1906	1-216-073-00	RES, CHIP	10K	5%	1/10W
R1907	1-216-033-00	RES, CHIP	220	5%	1/10W
R2904	1-216-033-00	RES, CHIP	220	5%	1/10W
R2905	1-216-033-00	RES, CHIP	220	5%	1/10W
R2909	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2910	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2912	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R2913	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2914	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2915	1-216-073-00	RES, CHIP	10K	5%	1/10W
R2916	1-216-073-00	RES, CHIP	10K	5%	1/10W
		*			

TUNER

TU101 18-598-430-00 TUNER, FSS BTF-FA401

The parts on this page belong to the following model(s) only: KV-32XBR250/34FX250C/36XBR250/38FX250/38FX250T

REF.NO. PART NO. DESCRIPTION REMARK

AK BOARD VARIANT PARTS LIST: KV-32XBR250/34FX250C/36XBR250/38FX250/ 38FX250C/38FX250T

CAPACITOR

C101	1-126-960-11	ELECT	1μF	20%	50V
C102	1-164-161-11	CERAMIC	0.0022μF	10%	50V
C104	1-126-964-11	ELECT	10μF	20%	50V
C106	1-104-664-11	ELECT	47μF	20%	25V
C108	1-126-942-61	ELECT	1000µF	20%	25V
C109	1-163-259-91	CERAMIC	220pF	5%	50V
C110	1-163-809-11	CERAMIC	0.047µF	10%	25V
C111	1-126-960-11	ELECT	1µF	20%	50V
C113	1-104-666-11	ELECT	220µF	20%	25V
C115	1-126-960-11	ELECT	1µF	20%	50V
C1904	1-102-129-00	CERAMIC	0.01μF	10%	50V
C1905	1-126-964-11	ELECT	10μF	20%	50V
C1906	1-102-129-00	CERAMIC	0.01μF	10%	50V
C1907	1-126-964-11	ELECT	10μF	20%	50V
C1908	1-163-009-11	CERAMIC	0.001μF	10%	50V
C1909	1-163-009-11	CERAMIC	0.001μF	10%	50V
C1910	1-163-009-11	CERAMIC	0.001μF	10%	50V
C1911	1-163-009-11	CERAMIC	0.001μF	10%	50V
C1912	1-163-009-11	CERAMIC	0.001μF	10%	50V

CONNECTOR

CN1465* 1-564-507-51 PLUG, CONNECTOR 4P CN1467* 1-564-510-11 PLUG, CONNECTOR 7P CN1468 1-695-915-11 TAB (CONTACT)

DIODE

D101	8-719-109-89	DIODE RD5.6ESB2
D103	8-719-991-33	DIODE 1SS133T-77
D104	8-719-991-33	DIODE 1SS133T-77
D105	8-719-991-33	DIODE 1SS133T-77
D106	8-719-991-33	DIODE 1SS133T-77
D107	8-719-991-33	DIODE 1SS133T-77
D108	8-719-110-17	DIODE RD10ESB2
D109	8-719-110-17	DIODE RD10ESB2

<u>IC</u>

IC1901 8-752-058-68 IC CXA1315M IC1902 8-759-470-63 IC NJM2145M-TE2

COIL

L102 1-414-856-11 INDUCTOR 10μH L105 1-414-857-11 INDUCTOR 100μH The components identified by shading and mark \(\triangle \) are critical for safety. Replace only with part number specified.

Les composants identifies per un trame et une marque
 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO.	PART NO.	DESCRIPT	<u>ON</u>	REM	<u>IARK</u>
	TRANSIST	<u>OR</u>			
Q101 Q105 Q106 Q451 Q1902	8-729-119-78 8-729-216-22 8-729-422-27 8-729-140-97 8-729-216-22	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SA1162-G 2SD601A-Q 2SB734-34		
Q1903 Q1918	8-729-216-22 8-729-216-22	TRANSISTOR 2			
	RESISTOR				
R101 R102 R103 R104 R112 R113 R114 R115 R116 R117 R118 R119 R450 R1486 R1487 R1902 R1904 R1907 R2904 R2905 R2909 R2910 R2912 R2913	1-216-065-91 1-216-083-00 1-216-689-11 1-216-049-91 1-216-057-00 1-216-073-00	RES, CHIP	4.7K 27K 39K 1K 2.2K 100K 1M 10K 10K 4.7K 470 560 10K 220 220 10K 10K 220 220	5% 5% 5% 5% 5% 5% 5% 5% 0.50% 5% 5% 5% 5% 5% 5% 5% 5%	1/10W 1/10W
R2914 R2915 R2916	1-216-073-00 1-216-073-00 1-216-073-00	RES, CHIP RES, CHIP RES, CHIP	10K 10K 10K	5% 5% 5%	1/10W 1/10W 1/10W

TUNER

TU101 18-598-430-00 TUNER, FSS BTF-FA401

Les composants identifies per un trame et une marque $\underline{\wedge}$ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REMARK





COMPLETE PARTS LISTING

REF.NO. PART NO. **DESCRIPTION**

A-1331-942-A C BOARD, COMPLETE (All Models)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C1750	1-137-528-11 FILM	0.1µF	10%	250V
C1751	1-107-655-11 ELECT	47µF	20%	250V
C1790	1-102-129-00 CERAMIC	0.01µF	10%	50V
C1791	1-126-968-11 ELECT	100µF	20%	50V
C1792	1-102-106-00 CERAMIC	100pF	10%	50V
C1794	1-107-651-11 ELECT	4.7µF	20%	250V
C1795	1-102-074-00 CERAMIC	0.001µF	10%	50V
C1799	1-162-114-00 CERAMIC	0.0047µF		2KV

CONNECTOR

CN1761*1-564-509-11 PLUG, CONNECTOR 6P CN1764*1-564-508-11 PLUG, CONNECTOR 5P CN1766 1-695-915-11 TAB (CONTACT)

DIODE

D1790	8-719-991-33 DIODE 1SS133T-77
D1791	8-719-908-03 DIODE GP08D
D1792	8-719-908-03 DIODE GP08D
D1793	8-719-908-03 DIODE GP08D
D1794	8-719-908-03 DIODE GP08D

IC

IC1701 A8-759-562-43 IC TDA6108JF/N1B

JACK

J1761 1-540-071-22 SOCKET, CRT

COIL

L1790 1-412-537-31 INDUCTOR 100µH

TRANSISTOR

Q1790 8-729-119-76 TRANSISTOR 2SA1175-HFE

RESISTOR

R1750	1-247-870-11	CARBON	43K	5%	1/4W
R1751	1-247-807-31	CARBON	100	5%	1/4W
R1752	1-247-807-31	CARBON	100	5%	1/4W
R1753	∆1-247-807-31	CARBON	100	5%	1/4W
R1763	1-260-099-11	CARBON	1K	5%	1/2W
R1764	1-247-807-31	CARBON	100	5%	1/4W
R1773	1-260-099-11	CARBON	1K	5%	1/2W
R1774	1-247-807-31	CARBON	100	5%	1/4W
R1783	1-260-099-11	CARBON	1K	5%	1/2W

REF.NO.	PART NO.	DESCRIPTION		REMA	<u>ARK</u>
R1784	1-247-807-31	CARBON	100	5%	1/4W
R1788	1-216-349-00	METAL OXIDE	1	5%	1W F
R1789	1-249-437-11	CARBON	47K	5%	1/4W
D.1700	4 0 47 0 45 0 4	CARRON	000	5 0/	4/414/
R1792	1-247-815-91	CARBON	220	5%	1/4W
R1793	1-247-866-11	CARBON	30K	5%	1/4W
R1794	1-260-132-11	CARBON	560K	5%	1/2W
R1795	1-260-087-11	CARBON	100	5%	1/2W
R1796∠	1 1-216-374-00 £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £ £	METAL OXIDE	2.7	5%	2W F
R1797	1-260-123-11	CARBON	100K	5%	1/2W

VARIABLE RESISTOR

RV1761 1-241-714-11 RES, ADJ, METAL FILM 110M



- A-1316-397-A G BOARD, COMPLETE (KV-32FS10/32FV15/32XBR250/36FS10/36FV15/36XBR250 only)
- A-1316-423-A G BOARD, COMPLETE (KV-34FV15T/38FX250T only)

1-533-223-11 HOLDER, FUSE

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C601	1-136-346-21	FILM	0.22µF	20%	125V
C602	1-126-964-11	ELECT	10µF	20%	50V
C603	△1-127-790-51	CERAMIC	1000pF	20%	250V
(KV-3	2FS10/32FV15/	32XBR250/36FS10/3	6FV15/36XBF	250 only)	
	1-127-794-51		2200pF	20%	250V
(KV-3	4FV15T/38FX2	50T only)			

C604 1-136-346-21 FILM	0.22μF	20%	125V
(KV-32FS10/32FV15/32XB	R250/36FS10/36FV15/36	XBR250 only)	
C604△1-136-311-11 FILM	l 0.47μF	20%	125V
(KV-34FV15T/38FX250T o	nly)		
C605 1-136-346-21 FILM	0.00	20%	125V
C0052:21-130-340-21 FILIV	l 0.22μF	20%	1257
(KV-32FS10/32FV15/32XB	R250/36FS10/36FV15/36	XBR250 only)	

C605∠1	1-136-311-11	FILM	0.47µF	20%	125V
(KV-3	4FV15T/38FX2	250T only)			
		-,			
C606	1-117-894-11	ELECT	560µF	20%	250V
C607∠1	1-117-894-11	ELECT	560µF	20%	250V
C608	1-107-824-11	CERAMIC	220pF	5%	1KV
C609	1-136-176-00	FILM	0.82µF	5%	50V
C610	1-136-176-00	FILM	0.82µF	5%	50V
C611	1-136-169-00	FILM	0.22µF	5%	50V
C612	1-136-169-00	FILM	0.22µF	5%	50V
C613	1-164-646-11	CERAMIC	2200pF	10%	500V
C614	1-126-963-11	ELECT	4.7µF	20%	50V
C615	1-117-976-11	FILM	0.039µF	5%	800V
C616 <u></u>	1-127-790-51	CERAMIC	1000pF	20%	250V
(K\/-33	PES10/32FV/15/	32XBR250/36FS10/36	FV/15/36XRR2	50 only)	



The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified. Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO	D. PART NO	DESCRIPTION	<u>N</u>	<u>R</u>	EMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C616∆	1-127-794-51	CERAMIC	2200pF	20%	250V	D612		DIODE 1SS133T-77		
(KV-34	FV15T/38FX2	50T only)				D613		DIODE 1SS133T-77		
C618	1-126-968-11		100µF	20%	50V	D614 D621		DIODE 1SS133T-77 DIODE U05G		
C624	1-126-960-11		1μF	20%	50V	D621		DIODE U05G		
C629∕\	1-107-652-11	ELECT	10µF	20%	250V	2022	0 7 10 011 00	DIODE COOC		
		-	- 1			D623	8-719-948-45	DIODE ERA22-08		
C630	1-130-471-00	MYLAR	0.001µF	5%	50V	D624	8-719-991-33	DIODE 1SS133T-77		
C631	1-137-605-11	FILM	0.01µF	10%	250V	D625		DIODE 1SS133T-77		
C633	1-130-471-00		0.001µF	5%	50V	D626	8-719-109-93	DIODE RD6.2ESB2		
C634 C635	1-130-467-00 1-130-471-00		470pF	5% 5%	50V 50V	D627	8-710-510-48	DIODE D1N20R		
C035	1-130-471-00	WITLAR	0.001µF	5%	50V	D628		DIODE D1NS4		
C636	1-126-965-11	ELECT	22µF	20%	50V	D629		DIODE D1NL40-TA2		
C637	1-126-940-11		330µF	20%	25V	D630	8-719-052-90	DIODE D1NL40-TA2		
C641	1-128-550-11	ELECT	2200µF	20%	50V	D641	8-719-060-89	DIODE D4SBS6-F		
C643	1-107-995-11		100µF	0	160V		. = =	DIODE D. 1000 111		
C644	1-104-664-11	ELECT	47µF	20%	25V	D642		DIODE D10SC4M DIODE D4SBL20UF3	2	
CC 47	1 104 665 11	FLECT	100F	200/	251/	D643 D647		DIODE D45BL200F3)	
C647 C650	1-104-665-11 1-104-664-11		100μF 47μF	20% 20%	25V 25V			DIODE EZ0150AV1		
C651	1-130-477-00		0.0033µF	5%	50V	D64621		DIODE D1NS4		
C652	1-106-351-00		0.0022µF	20%	200V	D651	0-719-310-02	DIODE DIN34		
C653	1-107-636-11	ELECT	10μF	20%	160V	D652	8-719-510-02	DIODE D1NS4		
						D653		DIODE 1SS133T-77		
C656	1-126-964-11		10μF	20%	50V	D698	8-719-991-33	DIODE 1SS133T-77		
C657	1-137-372-11		0.022µF	5%	50V	D699	8-719-923-86	DIODE MTZJ-T-77-1	5	
C658 C660	1-126-941-11 1-126-936-11		470μF 3300μF	20% 20%	25V 16V					
C661	1-120-930-11		47μF	20%	25V		<u>FUSE</u>			
				2070						
C662	1-126-933-11	ELECT	100µF	20%	16V	F601 <u>Z1</u>	1-532-506-51	FUSE 6.3A/250V		
C665	1-104-664-11		47μF	20%	25V		EEDDITE E	NEAD		
C695	1-164-625-11		680pF	10%	500V		FERRITE E	<u>SEAD</u>		
C696 C697	1-164-625-11 1-164-625-11		680pF 680pF	10% 10%	500V 500V	ER601	1-410-396-41	FEDDITE	0.45µH	
0031	1-104-025-11	CLIVAIVIIC	ооорі	1070	300 V	1	1-410-396-41		0.45μH	
C698	1-164-625-11	CERAMIC	680pF	10%	500V		1-410-396-41		0.45µH	
C699	1-136-169-00	FILM	0.22µF	5%	50V	FB604	1-410-396-41	FERRITE	0.45µH	
						FB641	1-410-397-21	FERRITE	1.1µH	
	CONNECT	<u>OR</u>				ED040	4 440 007 04	FEDDITE	44.11	
				_			1-410-397-21		1.1μH 1.1μH	
		PIN, CONNECTOR (Р		1	1-410-397-21 1-410-397-21		1.1μπ 1.1μH	
		PIN, CONNECTOR (PIN, CONNECTOR (D		1 5047	1 410 337 21	TERRITE	1.1μ11	
		PLUG, CONNECTOR					<u>IC</u>			
		PLUG, CONNECTOR								
						IC601Z	8-729-045-41	TRANSISTOR MX08	42B-F	
		PIN, CONNECTOR (5MM PITCH) 2	2P		IC622	8-759-450-47	IC BA05T		
		TAB (CONTACT)				IC641	8-759-198-03	IC PQ09RF21		
CN646	1-695-915-11	TAB (CONTACT)				IC643		POWER MODULE DI	M-48	
	DIODE					IC650				
	DIODE					IC651	8-759-450-47	IC BA051		
D600	8-719-991-33	DIODE 1SS133T-77					COIL			
D601		DIODE 1SS133T-77					COIL			
		DIODE D4SB60L				L642	1-412-529-11	INDUCTOR	22µH	
D603		DIODE D1NL20U				L650	1-412-519-11		3.3µH	
D604		DIODE 1SS133T-77				L651	1-412-519-11		3.3µH	
						L652	1-412-519-11	INDUCTOR	3.3µH	
		DIODE MTZJ-T-77-1	3A							
		DIODE RD24ESB								
		DIODE RD6.8ESB2								
D608	0-119-109-91	DIODE RD6.8ESB2				-				

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

COMPLETE PARTS LISTING



REF.NO. PART NO.	DESCRIPTION	<u> </u>	REMARK	REF.NO	. PART NO.	DESCRIPTION		REM	ARK
TRANSISTOR				R640	1-215-485-00	METAL	470K	1%	1/4W
				R641	1-247-843-11	CARBON	3.3K	5%	1/4W
Q621/18-729-044-30 TRA	NCICTOR 2CK2845-I	R102		R642	1-247-843-11	CARBON	3.3K	5%	1/4W
		-		R643	1-249-387-11	CARBON	3.3	5%	1/2W F
	NSISTOR 2SC2785-			R644	1-249-417-11		1K	5%	1/4W
	NSISTOR 2SC2785-								
	NSISTOR 2SA1175-			R645	1-249-429-11	CARBON	10K	5%	1/4W
Q644 8-729-119-78 TRA	NSISTOR 2SC2785-	HFE		R646	1-249-417-11		1K	5%	1/4W
				R648	1-249-441-11		100K	5%	1/4W
	NSISTOR 2SA1175-			R649	1-249-425-11		4.7K	5%	1/4W F
	NSISTOR 2SA1175-I			R650	1-249-421-11		2.2K	5%	1/4W
Q647 8-729-119-78 TRA	NSISTOR 2SC2785-	HFE		11000	1 243 421 11	OARBON	2.21	3 70	1/ - 7 V V
	NSISTOR 2SD2144S			R651	1-215-008-00	METAL OXIDE	33	5%	3W F
Q649 8-729-119-76 TRA	NSISTOR 2SA1175-I	HFE							
				R652Z!	\lambda1-216-363-00	METAL OXIDE	0.33	5%	2W F
Q650 8-729-119-78 TRA	NSISTOR 2SC2785-	HFE		R653	1-215-423-00	METAL	1.2K	1%	1/4W
Q651 8-729-802-71 TRA	NSISTOR 2SA1407-	E		R654	1-215-481-00	METAL	330K	1%	1/4W
Q652 8-729-119-76 TRA	ANSISTOR 2SA1175-I	HFE		R655	1-215-469-00	METAL	100K	1%	1/4W
Q653 8-729-119-78 TRA	NSISTOR 2SC2785-	HFE							
				R656	1-249-427-11	CARBON	6.8K	5%	1/4W
RESISTOR				R657	1-249-421-11	CARBON	2.2K	5%	1/4W
KEGIGTOK				R659	1-249-429-11	CARBON	10K	5%	1/4W
A				R660	1-249-393-11	CARBON	10	5%	1/4W F
R601 △1-249-377-11 CAF			1/4W F	R661 /	1-249-419-11	CARRON	1.5K	5%	1/4W F
R602 1-249-429-11 CAF		K 5%	1/4W	110012	21 240 410 11	OTHEOTY	1.010	070	1/ - * * 1
R603△1-219-776-11 CAF	RBON 2.2	M 10%	1/2W	R662	1-215-485-00	METAL	470K	1%	1/4W
R604 1-249-429-11 CAR	RBON 10I	Κ 5%	1/4W	R663	1-215-465-00		470K 10K	1%	1/4VV 1/4W
R605 1-249-429-11 CAR	RBON 10I	Κ 5%	1/4W						
				R664 <u>Z!</u>	1-240-257-11	,	3.9	5%	20W
R606 1-249-421-11 CAF	RBON 2.2	K 5%	1/4W	R665	1-249-425-11	CARBON	4.7K	5%	1/4W
R607△1-202-933-61 FUS	SIBLE 0.1	10%	1/2W F	R670	1-260-312-11	CARBON	47	5%	1/2W
R608 1-216-369-00 MET		5%	2W F						
				R671	1-260-312-11	CARBON	47	5%	1/2W
R609 1-249-417-11 CAR			1/4W	R680	1-216-364-11	METAL OXIDE	0.39	5%	2W F
R610 1-249-425-11 CAR	RBON 4.7	K 5%	1/4W	R681	1-216-365-00	METAL OXIDE	0.47	5%	2W F
R611 1-216-369-00 MET	TAL OXIDE 1	E0/	2W F	R699	1-249-429-11	CARBON	10K	5%	1/4W
R611 1-216-369-00 MET R612 1-260-124-11 CAR		5% OK 5%	1/2W						
R613 1-260-124-11 CAR			1/2VV 1/2W		<u>RELAY</u>				
R614 1-260-124-11 CAR			1/2W	RY600.	1.755-266-1	RELAY, AC POWER			
R615 1-260-124-11 CAR	RBON 120	OK 5%	1/2W			,			
DC40 4 040 405 44 CAE	DON 47	W 50/	4 /4\\	RY6012	<u>/!\</u> 1-/55-146-1	I RELAY, AC POWER			
R618 1-249-425-11 CAR			1/4W 1/4W						
R619 1-249-425-11 CAR					TRANSFO	<u>RMER</u>			
R620 1-126-967-11 ELE	-		50V						
R621 1-249-429-11 CAR			1/4W	T601/	\ 1-426-717-11	TRANSFORMER, LIN	JE FILTER (LE	T)	
R622 1-247-863-91 CAF	RBON 22I	ζ 5%	1/4W			TRANSFORMER, LIN	,	,	
D000 A 4 040 057 44 OM	FMELE 0.0	F0/	0014/				,	,	
R623 1-240-257-11 CM	•		20W	T603 <u>/1</u>	1-429-992-21	TRANSFORMER, CC	NVERTER (P	RT)	
R624 1-215-485-00 MET	TAL 470	OK 1%	1/4W	T605∠1	1-433-408-11	TRANSFORMER, CO	NVERTER (P	IT)	
R625 1-215-485-00 MET	TAL 470	OK 1%	1/4W	T621 /	\ 1-431-852-11	TRANSFORMER, CC	NVFRTFR (S	RT)	
R626 1-249-425-11 CAF			1/4W	10212	21 401 002 11	THOUSE OTHER, OC	////LICIEIC (O	1(1)	
R627 1-249-405-11 CAR			1/4W F						
11027 1210 100 11 0711	100	0,0	.,						
R631 1-240-205-91 CAR	RBON 221	M 5%	1/2W		THERMIST	<u>ror</u>			
R632 1-249-421-11 CAF			1/4W						
R633 1-249-429-11 CAF			1/4W	THP60°	11-809-539-	11 THERMISTOR, POS	SITIVE		
R634 1-249-437-11 CAF			1/4W			11 THERMISTOR, PO			
		0,0		111111002		THERWINGTON, PO	OITIV L		
R635 1-247-791-91 CAF	RBON 22	5%	1/4W		VA DIOTOS	•			
R636 1-249-415-11 CAR			1/4W		VARISTOR				
R637 1-260-302-51 CAF			1/2W						
R638 1-249-413-11 CAF			1/4W	VDR60	1�1-801-074-	41 VARISTOR ERZV1	I0D271		
R639 1-249-389-11 CAF			1/4W F			41 VARISTOR ERZV1			
10032:11-243-303-11 CAP	4.7	370	1/4VV F	V DI NOO.		WINDION LINEVI	UDLI		



Les composants identifies per un trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.N	O. PART NO	. DESCRIPTIO	<u> </u>	RI	<u>EMARK</u>	REF.NO.	PART NO.	DESCRIPTION		RE	MARK
$\overline{}$	Λ						1-136-165-00		0.1µF	5%	50V
J	$A _{}$					1	1-137-605-11		0.01µF	10%	250V
	<u></u>						1-130-471-00		0.001µF	5%	50V
*	A-1316-470-A	A GABOARD,COMF	PLETE				1-107-636-11		10μF	20%	160V
	(KV-34FV10/3 38FX250C/38	34FV15/34FV15C/34F	V15K/34FX25	0C/38FX2	50/	C6058	1-126-960-11	ELECT	1μF	20%	50V
	JUI A2300/JU	or visit only)					1-104-664-11	ELECT	47µF	20%	25V
	1-533-223-11	HOLDER, FUSE				C6060	1-104-664-11	ELECT	47µF	20%	25V
		WIRE UL1007 AWG	24 70MM RED)			1-126-964-11	ELECT	10µF	20%	50V
*	4-374-846-01	COVER, CAPACITO	R, CAP TYPE				1-126-940-11		330µF	20%	25V
	4-382-854-11	SCREW (M3X10), F	P, SW (+)			C6064	1-104-664-11	ELECT	47μF	20%	25V
	CAPACITO)R				C6066	1-126-965-11	ELECT	22µF	20%	50V
	OAI AOITE	<u>/// </u>				C6067	1-102-121-00	CERAMIC	0.0022µF	10%	50V
001	1-126-933-11	FLECT	100µF	20%	16V	1	1-102-106-00	CERAMIC	100pF	10%	50V
			•			I	1-102-106-00		100pF	10%	50V
	1-136-346-21		0.22µF	20%	300V	C6070	1-102-074-00	CERAMIC	0.001µF	10%	50V
003	1-136-346-21		0.22µF	20%	300V	_					
005∠	<u>1</u> 1-119-886-51	CERAMIC	470pF	10%	250V	C6071	1-102-106-00		100pF	10%	50V
007∠	1-119-886-51	CERAMIC	470pF	10%	250V		1-102-106-00	-	100pF	10%	50V
							1-102-129-00		0.01µF	10%	50V
800	1-126-960-11	ELECT	1μF	20%	50V		1-102-106-00		100pF	10%	50V
009	1-126-961-11		2.2µF	20%	50V	C6075	1-107-824-11	CERAMIC	220pF	5%	1KV
016	1-104-330-91		470pF	10%	1KV	00070	4 400 004 **	FLEOT	40×F	0007	F0\ /
	1-130-029-00		8200pF	2%	50V	C6078	1-126-964-11	ELECT	10μF	20%	50V
	1-102-050-00		0.01µF	20%	500V		CONNECT	<u>OR</u>			
019/	\\1-113-611-11	ELECT(BLOCK)	820µF	20%	250V	CNICOOOst	4 570 000 44	DIN CONNECTOR	DC DO ADD)	an.	
		` ′						PIN, CONNECTOR (,	3P 3P	
		ELECT(BLOCK)	820µF	20%	250V			PIN, CONNECTOR (TAB (CONTACT)	PC BOARD)	3F	
021	1-126-964-11		10μF	20%	50V			PIN, CONNECTOR (DOWED)		
022	1-126-963-11	ELECT	4.7µF	20%	50V			PLUG, CONNECTOR			
024	1-126-964-11	ELECT	10μF	20%	50V						
025	1-119-769-11	FILM	0.018µF	3%	1KV	1		PLUG, CONNECTO	R 12P		
026	1-126-964-11		10μF	20%	50V	CN6009	1-695-915-11	TAB (CONTACT)			
027	1-130-471-00	-	0.001µF	5%	50V						
028	1-130-471-00		0.001µF	5%	50V		DIODE				
	∆1-136-165-00		0.1µF	5%	50V						
0232	<u>-</u> 21-130-103-00	I ILIVI	υ. ιμι	370	30 V	D6000		DIODE 1SS133T-77			
·020	1 110 760 11	EIIM	0.010uE	20/	11/1/			DIODE 1SS133T-77			
	1-119-769-11		0.018µF	3% 10%	1KV			DIODE 1SS133T-77			
031	1-104-330-91		470pF	10%	1KV 50V			DIODE 1SS133T-77			
032 035	1-126-960-11 1-127-794-51		1µF 2200pF	20% 20%	50V 250V	D6004	8-719-991-33	DIODE 1SS133T-77			
i036	1-127-794-51		2200pF 2200pF	20%	250V 250V	Dooos	0.740.004.00	DIODE 400400T ==			
000	1-121-134-01	OLIVAIVIIO	حدسابات	2 U /0	200 V			DIODE 1SS133T-77 DIODE 1SS133T-77			
037/	∆1-107-679-91	ELECT	10µF	20%	450V			DIODE D4SB60L			
6038	1-137-370-11		0.01µF	5%	50V						
6039	1-164-645-11		0.01μF 1000pF	10%	500V 500V			DIODE 188133T-77			
6040	1-130-467-00		470pF	5%	50V	D6010	δ-/19-991-33	DIODE 1SS133T-77			
6042	1-130-467-00		470pF	5%	50V 50V	D0044	0 740 004 00	DIODE 400400T 77			
			·					DIODE 1SS133T-77 DIODE 1SS133T-77			
043	1-130-471-00		0.001µF	5%	50V	D6013△	\8-719-510-02	DIODE D1NS4			
044	1-126-936-11		3300µF	20%	16V			DIODE MTZJ-13B			
045	1-126-942-61		1000µF	20%	25V				00		
046	1-128-566-11		470µF	20%	100V	D6015	8-719-979-64	DIODE UF4005PKG	23		
047	1-128-566-11	ELECT	470µF	20%	100V	D6016	8-719-924-13	DIODE MTZJ-T-77-2	22B		
048	1-164-645-11	CERAMIC	1000pF	10%	500V			DIODE U05G			
049	1-104-043-11		2200µF	20%	500V 50V	1		DIODE MTZJ-T-77-2	22B		
050	1-120-330-11		2200μΓ 47μF	20%	25V			DIODE U05G			
051	1-104-664-11		47μF	20%	25V 25V			DIODE D4SBL20UF	20		
	1 10 T 00 T 11		pi	_0 /0	v	D00207;	20-7 19-002-40	DIODE DAORTZOOF	J		

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COMPLETE PARTS LISTING



REF.NO. PART NO. DES	SCRIPTION REMARK	REF.NO	PART NO.	DESCRIPTION		REM	<u>ARK</u>
D6021 8-719-110-41 DIODE RD D6022 8-719-510-12 DIODE D10			COIL				
D6023A8-719-022-97 DIODE D2	S4MF	L6000	1-412-519-11	INDUCTOR	3.3µH		
D6024 △ 8-719-022-97 DIODE D29	S4MF	L6001	1-412-519-11	INDUCTOR	3.3µH		
		L6002	1-412-527-11	INDUCTOR	15µH		
D6025△8-719-060-89 DIODE D49	SB20-F	L6003	1-412-527-11		15µH		
D6028 8-719-110-49 DIODE RD	18ESR2	L6004	1-412-529-11	INDUCTOR	22µH		
D6029 8-719-991-33 DIODE 1SS			DUOTO C	NIDI ED			
D6030△8-719-110-60 DIODE RD			PHOTO CO	JUPLER			
D6031 8-719-991-33 DIODE 1SS		DUGOO	A 0 740 004 4	35PHOTO COUPLER (ON2474 D		
D6032 8-719-510-48 DIODE D11							
		PH6002	? <u>/!\</u> 8-749-924-;	B5PHOTO COUPLER	ON3171-R		
D6034 8-719-948-45 DIODE ER			TDANCIC	OD.			
D6035 8-719-063-70 DIODE D11			TRANSIST	<u>UK</u>			
D6036 8-719-032-12 DIODE D1I D6037 8-719-991-33 DIODE 1SS		Q6000	8.720.110.78	TRANSISTOR 2SC2	785-HFF		
D6038 8-719-991-33 DIODE 1SS		Q6001		TRANSISTOR 2SC2			
2000 0710 001 00 21022 100	51001 11	Q6002		TRANSISTOR 2SA1			
D6040 8-719-063-70 DIODE D11	NL20U	Q6003	8-729-119-76	TRANSISTOR 2SA1	175-HFE		
D6041 8-719-991-33 DIODE 1SS		Q6004	8-729-119-78	TRANSISTOR 2SC2	785-HFE		
D6042 8-719-110-17 DIODE RD		00005	0 700 110 70	TRANSISTOR 2SC2	705 LICE		
D6043 8-719-991-33 DIODE 1SS D6044 8-719-991-33 DIODE 1SS		"""		TRANSISTOR 25C2			
D0044 0-719-991-33 DIODE 130	31331-11						
D6045 8-719-911-55 DIODE U0	5G	Q6007 Q6008		TRANSISTOR 2SD2 TRANSISTOR 2SA1	-		
D6046 8-719-911-55 DIODE U05	5G	I		TRANSISTOR 2SA8			
D6047 8-719-110-31 DIODE RD							
D6048 8-719-110-31 DIODE RD		Q6010	8-729-119-78	TRANSISTOR 2SC2	785-HFE		
D6049 8-719-991-33 DIODE 1SS	51331-77	Q60112	1 29-140-93	TRANSISTOR 2SB	733-34		
D6050△8-719-979-64 DIODE UF	4005PKG23	Q6012	8-729-119-76	TRANSISTOR 2SA1	175-HFE		
D6051 8-719-063-70 DIODE D11			DEGISTOR				
D6052 8-719-110-31 DIODE RD			RESISTOR	<u>{</u>			
		R6000	1-215-445-00	METAI	10K	1%	1/4W
<u>FUSE</u>		R6001	1-215-445-00		10K	1%	1/4W
		R6002	1-202-727-00	SOLID	4.7M	20%	1/2W
F6001△1-532-506-51 FUSE	6.3A/250V	R6003	1-249-425-11		4.7K	5%	1/4W
EEDDITE DE LD		R6004	1-247-843-11	CARBON	3.3K	5%	1/4W
FERRITE BEAD		R6005	1-215-469-00	METAI	100K	1%	1/4W
ED6001 1 412 011 11 EEDDITE		R6006	1-215-471-00		120K	1%	1/4W
FB6001 1-412-911-11 FERRITE FB6002 1-412-911-11 FERRITE		R6007	1-247-843-11		3.3K	5%	1/4W
FB6003 1-412-911-11 FERRITE		R6008	1-215-469-00		100K	1%	1/4W
FB6004 1-412-911-11 FERRITE		R6009	1-215-483-00	METAL	390K	1%	1/4W
FB6005 1-412-911-11 FERRITE		P6010	1-249-393-11	CARRON	10	E0/	1/4\M E
EDOGGO A MAG OM M. EEDDITE		R6010 R6011	1-249-393-11	-	10 75K	5% 1%	1/4W F 1/4W
FB6006 1-412-911-11 FERRITE FB6007 1-412-911-11 FERRITE		R6012	1-215-489-00		680K	1%	1/4W
1 B0001 1-412-911-11 1 ENRILE		R6013	1-215-489-00	METAL	680K	1%	1/4W
<u>IC</u>			4.04= 4== :	A 4 5 T A 1	00511	401	4/04/
_		R6014			680K	1%	1/4W
IC6000 8-759-198-31 IC UPC109	93J-1-T	R6015 R6016	1-215-485-00 1-215-471-00		470K 120K	1% 1%	1/4W 1/4W
IC6001△8-759-133-90 IC UPC339	OC .	R6017	1-215-471-00		680K	1%	1/4VV 1/4W
IC6002 △8-749-013-78 IC MCR510	02	R6018	1-215-489-00		680K	1%	1/4W
IC6003 8-749-012-13 IC DM-58							
IC6004 8-759-394-35 IC BA12T			1-215-489-00		680K	1%	1/4W
100005 0 === 100 == 10 == ==	-0.4	R60202	1 1-218-265-11		8.2M	5%	1W
IC6005 8-759-198-03 IC PQ09RF	-21	R6021	1-215-466-00		75K	1%	1/4W
IC6007 8-759-450-47 IC BA05T			1-215-469-00		100K	1%	1/4W
		R6023	1-215-465-00	IVIETAL	68K	1%	1/4W



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REF.NO. PART NO. DE	ESCRIPTION	ļ	REMARK	REF.NO	. PART NO.	DESCRIPTION		REM	ARK
R6024 1-215-457-00 METAL	33K 19	%	1/4W	R6080	1-249-421-11	CARBON	2.2K	5%	1/4W
R6025 1-215-473-00 METAL	150K 19	%	1/4W	R6081 /	1-249-387-11	CARBON	3.3	5%	1/2W F
R6026 1-215-466-00 METAL		%	1/4W	R6082	1-215-461-00		47K	1%	1/4W
R6027 1-215-489-00 METAL		%	1/4W	R6083	1-249-441-11		100K	5%	1/4W
R6028 1-215-489-00 METAL		%	1/4W	R6084	1-249-413-11		470	5%	1/4W
R6029 1-215-489-00 METAL	680K 19	%	1/4W	R6085	1-215-462-00		51K	1%	1/4W
R6030 1-215-458-00 METAL	36K 19	%	1/4W	R6086	1-215-479-00	METAL	270K	1%	1/4W
R6031 1-215-489-00 METAL	680K 19	%	1/4W	R6087	1-240-205-91		270K 22M	5%	1/4VV 1/2W
R6032 1-215-489-00 METAL	680K 19	%	1/4W	l .					
R6033 1-215-489-00 METAL	680K 19	%	1/4W		1-249-417-11		1K	5%	1/4W F
R6034 1-215-463-00 METAL		%	1/4W	R6089	1-215-493-00		1M	1%	1/4W
R6035 1-249-429-11 CARBON	10K 59	%	1/4W	R6091	1-215-469-00		100K	1%	1/4W
				R6092	1-215-481-00	METAL	330K	1%	1/4W
R6036 1-215-481-00 METAL		%	1/4W	Denna	1 240 427 44	CARRON	6.014	E0/	1/4W
R6037 1-249-439-11 CARBON		%	1/4W	R6093	1-249-427-11 1-215-423-00		6.8K 1.2K	5% 10/	1/4VV 1/4W
R6038 1-215-481-00 METAL		%	1/4W	R6094				1%	
R6039 △1-240-876-11 CEMENTE	ED 1 59	%	15W			METAL OXIDE	0.33	5%	2W F
R6040 1-240-876-11 CEMENTE	ED 1 59	%	15W	R6096	1-249-421-11		2.2K	5%	1/4W
R6041 1-219-512-11 CARBON	2.2M 59	%	1/2W	R6097	1-215-485-00		470K	1%	1/4W
				R6098	1-215-445-00	METAL	10K	1%	1/4W
R6042 1-247-863-91 CARBON		%	1/4W	R6099	1-215-469-00	METAL	100K	1%	1/4W
R6044 1-215-430-00 METAL	2.4K 19		1/4W	R6100	1-249-429-11	CARBON	10K	5%	1/4W
R6045 1-215-448-00 METAL		%	1/4W	R6101	1-249-417-11	CARBON	1K	5%	1/4W
R6046 1-247-863-91 CARBON		%	1/4W	R6102	1-247-895-91	CARBON	470K	5%	1/4W
R6047 1-215-481-00 METAL		%	1/4W	R6103	1-205-998-11		1	5%	10W
R6048△1-260-131-11 CARBON	470K 59	%	1/2W	R6104	1-249-429-11	CARBON	10K	5%	1/4W
R6049△1-260-131-11 CARBON	470K 59	%	1/2W	R6105	1-249-429-11		10K	5%	1/4W
R6050 1-249-425-11 CARBON	4.7K 59	%	1/4W	R6106	1-202-962-11		3.3	5% 5%	10W
R6051 1-202-933-61 FUSIBLE	0.1 10	0%	1/2W F	R6107 R6109	1-202-962-11 1-249-437-11		3.3 47K	5% 5%	10W 1/4W
R6052 1-249-429-11 CARBON		%	1/4W	R6111		METAL OXIDE	10	5%	1/4VV 1W F
R6053 1-249-425-11 CARBON		%	1/4W	R6112		METAL OXIDE	10	5% 5%	1W F
R6054 1-249-437-11 CARBON		%	1/4W	1.0112	1 2 13 037 11	WE TAL ONIDE	10	370	1 7 7
					<u>RELAY</u>				
R6055 1-249-429-11 CARBON		%	1/4W						
R6056 1-215-421-00 METAL		%	1/4W	PY6000	↑ 1-755-146-11	IRELAY, AC POWER			
R6057 1-249-429-11 CARBON			1/4W			IRELAY, AC POWER			
R6058 1-216-381-11 METAL OX R6059 1-215-864-00 METAL OX			3W F 1W F			IRELAY, AC POWER			
R6060 1-216-381-11 METAL O		%	3W F	1110002					
		.,	. (0) 4 (TRANSFO	RMER			
R6062 1-219-512-11 CARBON		%	1/2W						
R6063 1-215-421-00 METAL	1K 19		1/4W	T6000 <u>/1</u>	1-433-900-11	TRANSFORMER, LIN	E FILTER		
R6064△1-247-815-91 CARBON		%	1/4W	T6001△	1-433-900-11	TRANSFORMER, LIN	E FILTER		
R6065 1-247-815-91 CARBON		%	1/4W	T6002	\1-433-846-11	TRANSFORMER, CO	NVERTER	(PIT)	
R6066 1-249-389-11 CARBON		%	1/4W F			•		(111)	
R6067 1-249-421-11 CARBON	2.2K 5%	%	1/4W	160032!	\(\)1-433-844-11	TRANSFORMER, CO	NVERIER		
R6068 1-249-417-11 CARBON		%	1/4W		THERMIST	OR			
R6069 1-249-437-11 CARBON	47K 59	%	1/4W						
R6071 1-249-425-11 CARBON		%	1/4W	TH6000.	1.803-540-1 €	1 THERMISTOR			
R6072 1-247-815-91 CARBON		%	1/4W						
R6073 1-260-298-51 CARBON	3.3 59	%	1/2W F			1 THERMISTOR, POSI THERMISTOR	TIVE		
R6074 1-249-415-11 CARBON	680 59	%	1/4W						
R6075 1-260-312-11 CARBON		%	1/2W		VARISTOR				
R6076 1-260-312-11 CARBON		%	1/2W		TAINIOION				
R6077 1-247-791-91 CARBON	22 59	%	1/4W	V/D0000	A 1 000 507 4	4 \/ADIOTOD			
R6078 1-249-389-11 CARBON	4.7 5%	%	1/4W F		1-803-587-1				
R6079 1-247-815-91 CARBON		%	1/4W	VD6002.	<u>/1</u> \1-803-614-1	1 VARISTOR			

REMARK

REF.NO. PART NO. DESCRIPTION REMARK

HA.

* A-1372-634-A HA BOARD, COMPLETE (All Models)

CAPACITOR

C1234	1-126-960-11 ELECT	1µF	20%	50V
C1235	1-126-960-11 ELECT	1µF	20%	50V
C1239	1-216-295-91 SHORT			

CONNECTOR

CN1232*1-564-512-11 PLUG, CONNECTOR 9P

DIODE

D1233 8-719-110-17 DIODE MTZJ-T-77-10B

JACK

J1231 1-770-361-11 TERMINAL BLOCK, S

RESISTOR

R201	1-216-049-91 RES, CHIP	1K	5%	1/10W
R202	1-216-055-00 RES, CHIP	1.8K	5%	1/10W
R203	1-216-065-91 RES, CHIP	4.7K	5%	1/10W
R1233	1-216-065-91 RES, CHIP	4.7K	5%	1/10W
R1235	1-216-065-91 RES, CHIP	4.7K	5%	1/10W
R1236	1-216-113-00 RES, CHIP	470K	5%	1/10W
R1237	1-216-065-91 RES, CHIP	4.7K	5%	1/10W
R1238	1-216-113-00 RES, CHIP	470K	5%	1/10W

SWITCH

S2007	1-572-198-11	SWITCH, KEYBOARD
S2008	1-572-198-11	SWITCH, KEYBOARD
S2009	1-572-198-11	SWITCH, KEYBOARD
S2010	1-572-198-11	SWITCH, KEYBOARD



A-1372-635-A HB BOARD, COMPLETE (All Models)

CAPACITOR

C2001 1-104-665-11 ELECT 100µF 20% 25V

REF.NO. PART NO. DESCRIPTION CONNECTOR

CN2001*1-564-520-11 PLUG, CONNECTOR 5P

DIODE

D2002 8-719-057-09 DIODE LNJ801LPDJA D2003 8-719-057-09 DIODE LNJ801LPDJA

<u>IC</u>

IC2001 8-742-088-10 HYB IC SBX1780-51

RESISTOR

R2001	1-216-049-91 RES, CHIP	1K	5%	1/10W
R2002	1-216-049-91 RES, CHIP	1K	5%	1/10W
R2003	1-216-017-91 RES, CHIP	47	5%	1/10W



A-1372-636-A HX BOARD, COMPLETE (All Models)

CONNECTOR

CN2002*1-564-518-11 PLUG, CONNECTOR 3P

RESISTOR

R2010	1-216-047-91	RES, CHIP	820	5%	1/10W
R2011	1-216-049-91	RES, CHIP	1K	5%	1/10W
R2012	1-216-055-00	RES, CHIP	1.8K	5%	1/10W
R2013	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R2014	1-216-025-91	RES, CHIP	100	5%	1/10W

SWITCH

S2001	1-572-198-11 SWITCH, KEYBOARD
S2002	1-572-198-11 SWITCH, KEYBOARD
S2003	1-572-198-11 SWITCH, KEYBOARD
S2004	1-572-198-11 SWITCH, KEYBOARD
S2005	1-572-198-11 SWITCH, KEYBOARD
S2006	1-572-198-11 SWITCH, KEYBOARD



REF.NO. PAF	RT NO. DESCRIPTION	REMARK
$ \top $		

* A-1394-934-A T BOARD, COMPLETE (KV32XBR250/34FX250C/36XBR250/38FX250C/38FX250T only)

CAPACITOR

C401 C402 C403 C404 C405	1-163-243-11 1-163-035-00 1-126-963-11 1-163-135-00 1-104-664-11	CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT	47pF 0.047μF 4.7μF 560pF 47μF	5% 20% 5% 20%	50V 50V 50V 50V 25V
C406 C407 C408 C409 C410	1-163-021-91 1-163-035-00 1-163-135-00 1-126-963-11 1-163-243-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.01μF 0.047μF 560pF 4.7μF 47pF	10% 5% 20% 5%	50V 50V 50V 50V 50V
C411	1-126-963-11	ELECT	4.7μF	20%	50V
C412	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V
C413	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V
C414	1-104-664-11	ELECT	47μF	20%	25V
C415	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C416	1-104-664-11	ELECT	47μF	20%	25V
C417	1-126-963-11	ELECT	4.7μF	20%	50V
C418	1-163-229-11	CERAMIC CHIP	12pF	5%	50V
C419	1-163-227-11	CERAMIC CHIP	10pF	0.5pF	50V
C420	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V
C421	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C422	1-104-664-11	ELECT	47µF	20%	25V
C423	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C424	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C425	1-104-664-11	ELECT	47µF	20%	25V
C426	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V

CONNECTOR

CN401 *1-564-519-11 PLUG, CONNECTOR 4P

DIODE

D401	8-719-109-89	DIODE RD5.6ESB2	
D402	8-719-057-93	DIODE SVC203SPA-AI	L
D403	8-719-057-93	DIODE SVC203SPA-AI	L
D404	8-719-992-13	DIODE DAL5815	
D405	8-719-992-13	DIODE DAL5815	
D406	8-719-992-13	DIODE DAL5815	
D407	8-719-992-13	DIODE DAL5815	
D408	8-719-992-13	DIODE DAL5815	
D409	8-719-992-13	DIODE DAL5815	
D410	8-719-992-13	DIODE DAL5815	
D411	8-719-992-13	DIODE DAL5815	

REF.NO.	PART NO.	DESCRIPTION	<u>REMARK</u>

<u>IC</u>

IC401 8-759-939-73 IC BA3308

COIL

L401 1-411-987-11 COIL (OSC) L402 1-411-988-11 COIL (OSC)

TRANSISTOR

Q401	8-729-266-83	TRANSISTOR	2SC2668-Y
Q402	8-729-266-83	TRANSISTOR	2SC2668-Y
Q403	8-729-119-78	TRANSISTOR	2SC3311A-QRSTA
Q404	8-729-216-22	TRANSISTOR	2SB709A-QRS-TX
Q405	8-729-216-22	TRANSISTOR	2SB709A-QRS-TX
Q406	8-729-931-14	TRANSISTOR	2SD1858-Q-TV2
Q407	8-729-931-14	TRANSISTOR	2SD1858-Q-TV2
Q408	8-729-931-14	TRANSISTOR	2SD1858-Q-TV2
Q409	8-729-931-14	TRANSISTOR	2SD1858-Q-TV2
Q410	8-729-216-22	TRANSISTOR	2SB709A-QRS-TX
Q411	8-729-216-22	TRANSISTOR	2SB709A-QRS-TX

RESISTOR

R401	1-216-089-91	RES, CHIP	47K	5%	1/10W
R402	1-216-089-91	RES, CHIP	47K	5%	1/10W
R403	1-216-089-91	RES, CHIP	47K	5%	1/10W
R404	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R405	1-216-025-91	RES, CHIP	100	5%	1/10W
R406	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R407	1-216-133-00	RES, CHIP	3.3M	5%	1/10W
R408	1-216-089-91	RES, CHIP	47K	5%	1/10W
R409	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R410	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R411	1-216-025-91	RES, CHIP	100	5%	1/10W
R412	1-208-803-11	RES, CHIP	7.5K	0.50%	1/10W
R413	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R414	1-216-073-00	RES, CHIP	10K	5%	1/10W
R415	1-249-416-11	CARBON	820	5%	1/4W
R416	1-216-081-00	RES, CHIP	22K	5%	1/10W
R417	1-216-081-00	RES, CHIP	22K	5%	1/10W
R418	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R419	1-216-073-00	RES, CHIP	10K	5%	1/10W
R420	1-216-111-00	RES, CHIP	390K	5%	1/10W
R421	1-216-025-91	RES, CHIP	100	5%	1/10W
R422	1-216-025-91	RES, CHIP	100	5%	1/10W
R423	1-216-111-00	RES, CHIP	390K	5%	1/10W
R424	1-216-053-00	RES, CHIP	1.5K	5%	1/10W
R425	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R426	1-208-821-11	RES, CHIP	43K	0.50%	1/10W
R427	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R428	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R429	1-216-057-00	RES, CHIP	2.2K	5%	1/10W

COMPLETE PARTS LISTING T

REF.N	O. PART NO	<u>.</u>	DESCRIPTION		RE	MARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R430	1-208-794-11	RES, 0	CHIP	3.3K	0.50%	1/10W				
R431	1-208-794-11	RES, 0	CHIP	3.3K	0.50%	1/10W				
R432	1-208-821-11	RES, 0	CHIP	43K	0.50%	1/10W				
R433	1-216-059-00	RES, 0	CHIP	2.7K	5%	1/10W				
R434	1-216-059-00	RES, 0	CHIP	2.7K	5%	1/10W				
R435	1-216-001-00	RES, 0	CHIP	10	5%	1/10W				
R436	1-216-001-00	RES, 0	CHIP	10	5%	1/10W				
R437	1-216-001-00	RES, 0	CHIP	10	5%	1/10W				
R438	1-216-001-00	RES, 0	CHIP	10	5%	1/10W				
R439	1-216-059-00	RES, 0	CHIP	2.7K	5%	1/10W				
R460	1-216-059-00	RES, 0	CHIP	2.7K	5%	1/10W				



REF.N	NO. PART NO	DESCRI	<u>IPTION</u>	<u>F</u>	REMARK	REF.NO	PART NO.	DESCRIPT	<u>ION</u>	RE	MARK
						C1212	1-126-933-11	ELECT	100µF	20%	16V
	\mathbf{V}					C1213	1-126-941-11	ELECT	470µF	20%	25V
IU.	ハ					C1214	1-163-021-91	CERAMIC	0.01µF	10%	50V
						C1215	1-126-960-11		1μF	20%	50V
MAI	N SCHEMATIC	(FOR UX PIP C	OMPONENTS SEE	PAGE 11	12)				•		
		•			-,	C2000	1-126-941-11	ELECT	470µF	20%	25V
*		UX BOARD, C				C2001	1-163-235-11	CERAMIC	22pF	5%	50V
	•	250/36XBR250 c	• /			C2002	1-165-319-11	CERAMIC	0.1µF		50V
*		UX BOARD, C				C2003	1-163-031-11	CERAMIC	0.01µF		50V
	(KV-34FX25	50C/38FX250/38	FX250C/38FX250T	Γonly)		C2004	1-163-235-11	CERAMIC	22pF	5%	50V
	O A DA OITO	ND.				C2005	1-163-131-00	CERAMIC	390pF	5%	50V
	CAPACITO	<u>)K</u>				C2006	1-163-038-91	CERAMIC	0.1µF		25V
C201	1-128-551-11	ELECT	22µF	20%	25V	C2007	1-126-926-11	ELECT	1000µF	20%	10V
C202	1-128-551-11	ELECT	22μF	20%	25V 25V	C2008	1-163-038-91	CERAMIC	0.1μF	2070	25V
						C2000	1-163-102-00	CERAMIC	0.1μ1 24pF	5%	50V
C203	1-128-551-11	ELECT	22µF	20%	25V					370	
C204	1-126-960-11	ELECT	1µF	20%	50V	C2012	1-163-031-11	CERAMIC	0.01µF		50V
C205	1-126-960-11	ELECT	1µF	20%	50V	1 .					
						C2013	1-163-038-91	CERAMIC	0.1µF		25V
C231	1-163-021-91	CERAMIC	0.01µF	10%	50V	C2014	1-163-009-11	CERAMIC	0.001µF	10%	50V
C232	1-126-933-11	ELECT	100µF	20%	16V	C2015	1-163-021-91	CERAMIC	0.01µF	10%	50V
C233	1-126-933-11	ELECT	100µF	20%	16V	C2016	1-165-319-11	CERAMIC	0.1µF		50V
C234	1-126-960-11	ELECT	1μF	20%	50V	C2017	1-163-102-00		24pF	5%	50V
C235	1-126-960-11	ELECT	ιμι 1μF	20%	50V	02011	1 100 102 00	OLI U UVIIO	- ipi	070	001
0233	1-120-900-11	LLLCI	īμī	20 /0	30 V	C2018	1-165-319-11	CERAMIC	0.1µF		50V
0000	4 400 000 44	FLEOT	400 · F	000/	401/			-		200/	50V
C236	1-126-933-11	ELECT	100µF	20%	16V	C2019	1-126-960-11	ELECT	1µF	20%	
C237	1-126-960-11	ELECT	1µF	20%	50V	C2020	1-165-319-11	CERAMIC	0.1µF		50V
C238	1-126-960-11	ELECT	1μF	20%	50V	C2021	1-163-038-91	CERAMIC	0.1µF		25V
C241	1-126-941-11	ELECT	470µF	20%	25V	C2022	1-126-933-11	ELECT	100μF	20%	16V
C242	1-126-959-11	ELECT	0.47µF	20%	50V						
			·			C2029	1-165-319-11	CERAMIC	0.1µF		50V
C243	1-126-959-11	ELECT	0.47µF	20%	50V	C2030	1-165-319-11	CERAMIC	0.1µF		50V
C244	1-126-959-11	ELECT	0.47µF	20%	50V	C2031	1-165-319-11	CERAMIC	0.1µF		50V
C245	1-126-959-11	ELECT	0.47µF	20%	50V	C2032	1-165-319-11	CERAMIC	0.1µF		50V
			•			C2032	1-165-319-11		•		50V
C247	1-126-941-11	ELECT	470µF	20%	25V	C2033	1-100-319-11	CERAIVIIC	0.1µF		30 V
C248	1-126-959-11	ELECT	0.47µF	20%	50V	00004	4 405 040 44	CEDAMIC	0.4		F0\/
						C2034	1-165-319-11	CERAMIC	0.1µF		50V
C249	1-126-959-11	ELECT	0.47µF	20%	50V	C2035	1-165-319-11	CERAMIC	0.1µF		50V
C264	1-164-004-11	CERAMIC	0.1µF	10%	25V	C2036	1-165-319-11	CERAMIC	0.1µF		50V
C268	1-163-021-91	CERAMIC	0.01µF	10%	50V	C2038	1-165-319-11	CERAMIC	0.1µF		50V
C269	1-163-021-91	CERAMIC	0.01µF	10%	50V	C2041	1-104-665-11	ELECT	100µF	20%	25V
C272	1-163-231-11	CERAMIC	15pF	5%	50V						
			,			C2042	1-165-319-11	CERAMIC	0.1µF		50V
C273	1-128-551-11	ELECT	22µF	20%	25V	C2044	1-104-664-11	ELECT	47μF	20%	16V
C277	1-128-551-11	ELECT	22µF	20%	25V	C2045	1-163-233-11	CERAMIC	18pF	5%	50V
C278	1-128-551-11	ELECT	22µF	20%	25V	C2046	1-126-964-11		10µF	20%	50V
C281	1-126-933-11	ELECT	22μι 100μF	20%	16V	C2047	1-126-961-11		2.2µF	20%	50V
						02047	1 120 001-11		۷.۷۲	20/0	50 V
C284	1-126-941-11	ELECT	470µF	20%	25V	C2040	1-126-964-11	ELECT	10uE	20%	50V
0001		055		4-0:	EC. (C2048			10μF		
C286	1-164-161-11	CERAMIC	0.0022µF	10%	50V	C2050	1-163-231-11		15pF	5%	50V
C287	1-164-161-11	CERAMIC	0.0022µF	10%	50V	C2051	1-126-964-11	ELECT	10μF_	20%	50V
C1051	1-126-964-11	ELECT	10μF	20%	50V	C2052	1-163-133-00	CERAMIC	470pF	5%	50V
C1053	1-104-665-11	ELECT	100µF	20%	25V	C2053	1-126-960-11	ELECT	1µF	20%	50V
C1201	1-163-809-11	CERAMIC	0.047µF	10%	25V						
		-	F	- · · ·	•	C2054	1-104-664-11	ELECT	47µF	20%	16V
C1202	1-163-021-91	CERAMIC	0.01µF	10%	50V	C2057	1-163-031-11	CERAMIC	0.01µF		50V
C1202	1-126-960-11	ELECT	0.01μl 1μF	20%	50V	C2058	1-163-235-11	CERAMIC	22pF	5%	50V
						C2050	1-163-233-11		0.01µF	50V	00 V
C1204	1-163-809-11	CERAMIC	0.047µF	10%	25V	1			•		1617
C1205	1-126-933-11	ELECT	100µF	20%	16V	C2062	1-104-664-11	ELECT	47μF	20%	16V
C1207	1-126-963-11	ELECT	4.7µF	20%	50V						
						C2063	1-165-319-11	CERAMIC	0.1µF		50V
C1208	1-126-963-11	ELECT	4.7µF	20%	50V	C2064	1-163-031-11	CERAMIC	0.01µF		50V
C1209	1-163-259-91	CERAMIC	220pF	5%	50V	C2065	1-163-031-11	CERAMIC	0.01µF		50V
C1210	1-163-259-91	CERAMIC	220pF	5%	50V	C2066	1-104-664-11		47µF	20%	16V
											16V
01211	1-120-933-11	ELECT	ιουμτ	20%	107		1-104-004-11	LLLUI	+1 μΓ	20/0	101
C1211	1-126-933-11	ELECT	100μF	20%	16V	C2067	1-104-664-11		47μF	20%	



REF.N	O. PART NO	. DESCRIPTI	<u>ON</u>	<u>R</u>	EMARK	REF.NO	. PART NO.	DESCRIPTION	REMARK
2068	1-104-664-11	ELECT	47µF	20%	16V	D247	8-719-157-94	DIODE RD3.3SB	
2069	1-163-031-11	CERAMIC	0.01µF		50V	D248	8-719-157-94	DIODE RD3.3SB	
2070	1-104-664-11	ELECT	47µF	20%	16V	D249	8-719-157-94	DIODE RD3.3SB	
2071	1-165-319-11	CERAMIC	0.1µF		50V	D250		DIODE RD3.3SB	
2072	1-126-933-11		100µF	20%	16V	D261		DIODE MTZJ-T-9110	
	20 000		.00μ.	2070		5201	0 7 13 032 47	DIODE WIZO 1-5110	
2073	1-163-275-11		0.001µF	5%	50V	D902	8-719-032-47	DIODE MTZJ-T-9110	
2074	1-163-275-11	CERAMIC	0.001µF	5%	50V	D910	8-719-032-47	DIODE MTZJ-T-9110	
2081	1-126-960-11	ELECT	1μF	20%	50V	D911	8-719-032-47	DIODE MTZJ-T-9110	
2082	1-165-319-11	CERAMIC	0.1µF		50V	D912	8-719-032-47	DIODE MTZJ-T-9110	
2083	1-163-031-11	CERAMIC	0.01µF		50V	D1051	8-719-404-50	DIODE MA111-TX	
0004	4 400 004 44	FLECT	40	200/	F0\/	D. 1000		DIODE 111 /// TV	
2084 2085	1-126-964-11 1-163-031-11		10µF 0.01µF	20%	50V 50V	D1052		DIODE MA111-TX	
2086	1-126-961-11		2.2µF	20%	50V	D2005		DIODE MA111-TX	
				2070		D2201		DIODE MTZJ-T-9110	
2087	1-165-319-11		0.1µF		50V			DIODE MTZJ-T-9110	
2088	1-163-031-11	CERAIVIIC	0.01µF		50V	D2203	8-719-032-47	DIODE MTZJ-T-9110	
089	1-126-967-11	ELECT	47µF	20%	50V	1			
090	1-165-319-11		0.1µF		50V	1	FERRITE E	READ	
2091	1-126-964-11	ELECT	10µF	20%	50V		. =::::::= L		
2095	1-163-231-11	CERAMIC	15pF	5%	50V	EB2004	1-414-234-22	INDLICTOR	
2096	1-163-231-11		15pF	5%	50V				
•		-	-F.				1-414-234-22		
2097	1-163-231-11	CERAMIC	15pF	5%	50V		1-414-234-22		
139	1-163-113-00	CERAMIC	68pF	5%	50V		1-414-230-22		
2154	1-103-113-00		47μF	20%	16V	FB2005	1-414-230-22	INDUCTOR	
2167	1-126-964-11		47μ1 10μF	20%	50V			WID.10767	
2201	1-126-965-11		22μF	20%	50V	1	1-414-233-22		
.201	1-120-300-11	LLLUI	ZZµI	20/0	JU V		1-216-295-91		
202	1-126-933-11	FLECT	100µF	20%	16V	FB2101	1-216-295-91	SHORT	
202	1-163-021-91		0.01μF	10%	50V				
		-	* F				<u>FILTER</u>		
	COMMECT	OD							
	CONNECT	<u>UK</u>						FILTER, LOW PASS	
N261	1-564-510-11	PLUG, CONNECT	OR.	7P		FL2002	1-239-847-11	FILTER, LOW PASS	
	1-691-632-21					FL2003	1-239-847-11	FILTER, LOW PASS	
						FL2004	1-239-847-11	FILTER, LOW PASS	
N263	1-691-632-21	·							
		CONNECTOR, BO							
N265	1-564-513-11	PLUG, CONNECT	UK	10P			<u>IC</u>		
								10.004.404.5	
	DIODE					IC261		IC CXA1845Q	
	<u>-</u>					I		IC CXA1315M	
201	8-719-032-47	DIODE MTZJ-T-9	110			1		IC MSM514265C-60JSDR1	
202		DIODE MTZJ-T-9				1		IC UPD64081BGF-3BA	
203		DIODE MTZJ-T-9				IC2005	8-759-591-79	IC UPC2933T-E1	
204		DIODE MTZJ-T-9							
205		DIODE MTZJ-T-9				1		IC NJM78M05DLA(TE1)	
.00	0-1-10-002-41	DIODE MILED-1-8	110			1		IC UPC659AGS-E2	
231	8-719-032-47	DIODE MTZJ-T-9	110			IC2009	8-752-395-12	IC CXD2085M	
232		DIODE MTZJ-T-9							
233		DIODE MTZJ-T-9							
34		DIODE MTZJ-T-9					JACK		
35		DIODE MTZJ-T-9					<u> </u>		
.00	0-1-10-002-41	DIODE MILED-1-8	110			J231	1-750-515-11	TERMINAL BLOCK, S	3P
36	Q_710 022 47	DIODE MTZJ-T-9	110			J231 J232		JACK BLOCK, PIN	3P
236						J232 J233		JACK BLOCK, PIN	3F 2P
237		DIODE MTZJ-T-9							3P
238		DIODE MTZJ-T-9				J234		JACK BLOCK, PIN	
39		DIODE MTZJ-T-9	110			J235	1-/50-57/-77	JACK BLOCK, PIN	3P
45		DIODE RD3.3SB				1000	4 774 050 44	IACK DLOCK DIN	
46	8-719-157-94	DIODE RD3.3SB				J236		JACK BLOCK, PIN	an.
						J902	1-764-143-11	JACK	3P



REF.NO	O. PART NO	DESC	RIPTION	<u>REMARK</u>	REF.NO.	PART NO.	DESCRIPTION	<u>RE</u>	MARK
03	1-764-143-11	JACK	3P		Q234	8-729-422-27	TRANSISTOR 2SD601A-Q		
	1-764-143-11	JACK	3P		Q235		TRANSISTOR 2SD601A-Q		
	1-764-143-11	JACK	3P		Q236		TRANSISTOR 2SD601A-Q		
00	1704 140 11	JAOK	OI .		Q237		TRANSISTOR 2SA1162-G		
					Q238		TRANSISTOR 2SA1162-G		
	CHIP CONI	HICTOR			Q230	0-123-210-22	TRANSISTOR 25ATT02-0		
	OIIII OON	<u> </u>			Q239	8-729-216-22	TRANSISTOR 2SA1162-G		
21001	1-216-295-91	SHORT			Q240	8-729-422-27	TRANSISTOR 2SD601A-Q		
	1-216-295-91	SHORT			Q241	8-729-422-27	TRANSISTOR 2SD601A-Q		
	1-216-295-91	SHORT			Q242	8-729-422-27	TRANSISTOR 2SD601A-Q		
	1-216-295-91				Q243	8-729-216-22	TRANSISTOR 2SA1162-G		
	1-216-295-91								
					Q244		TRANSISTOR 2SA1162-G		
R1022	1-216-295-91	SHORT			Q245		TRANSISTOR 2SA1162-G		
R1023	1-216-295-91	SHORT			Q246		TRANSISTOR 2SD601A-Q		
R2007	1-216-295-91	SHORT			Q262	8-729-216-22	TRANSISTOR 2SA1162-G		
	1-216-295-91				Q263	8-729-216-22	TRANSISTOR 2SA1162-G		
	1-216-295-91								
					Q264	8-729-216-22	TRANSISTOR 2SA1162-G		
R2010	1-216-295-91	SHORT			Q265	8-729-422-27	TRANSISTOR 2SD601A-Q		
	1-216-295-91	SHORT			Q267	8-729-216-22	TRANSISTOR 2SA1162-G		
	1-216-295-91	SHORT			Q268	8-729-216-22	TRANSISTOR 2SA1162-G		
	1-216-295-91				Q1051		TRANSISTOR 2SA1162-G		
	1-216-295-91								
N2014	1-210-295-91	SHOKI			Q1201	8-729-216-22	TRANSISTOR 2SA1162-G		
							TRANSISTOR 2SD601A-Q		
	0011						TRANSISTOR 2SD601A-Q		
	COIL						TRANSISTOR 2SA1162-G		
							TRANSISTOR 2SD601A-Q		
261	1-414-857-11	INDUCTOR	100µH		Q1200	U-12J-422-21	INTINOIOTON ZODOUTA-M		
1201	1-408-397-00	INDUCTOR	1μH		04000	0 700 400 07	TDANCICTOR OCCOMA C		
1202	1-408-397-00	INDUCTOR	1μΗ		l .		TRANSISTOR 2SD601A-Q		
1203	1-408-397-00	INDUCTOR	1μΗ				TRANSISTOR 2SA1162-G		
2001	1-410-466-41	INDUCTOR	4.7μH				TRANSISTOR 2SA1162-G		
			•				TRANSISTOR 2SA1162-G		
2002	1-414-856-11	INDUCTOR	10µH		Q1406	8-729-216-22	TRANSISTOR 2SA1162-G		
		INDUCTOR	10µH						
	1-410-473-11	INDUCTOR	18µH		Q2001		TRANSISTOR 2SD601A-Q		
	1-414-856-11	INDUCTOR	10µH		Q2003		TRANSISTOR 2SA1162-G		
	1-414-857-11	INDUCTOR	100μH				TRANSISTOR 2SA1162-G		
_001			Ισομίι		Q2005	8-729-422-27	TRANSISTOR 2SD601A-Q		
2008	1-414-856-11	INDLICTOR	10µH		Q2006	8-729-422-27	TRANSISTOR 2SD601A-Q		
	1-414-856-11								
			10µH		Q2007	8-729-422-27	TRANSISTOR 2SD601A-Q		
	1-410-494-11		1mH				TRANSISTOR 2SD601A-Q		
		INDUCTOR	560µH				TRANSISTOR 2SD601A-Q		
2012	1-410-116-11	INDUCTOR	560µH				TRANSISTOR 2SD601A-Q		
							TRANSISTOR 2SD601A-Q		
	1-410-462-11		2.2µH		۷۷۷۱۱	0 1 LU 7 LL-L1	TO INTO TO IT ZODOUTATE		
2014	1-410-462-11	INDUCTOR	2.2µH		02012	8-720 246 22	TRANSISTOR 2SA1162-G		
							TRANSISTOR 2SA1162-G		
	TRANSIST	OR					TRANSISTOR 2SD601A-Q		
		- · ·					TRANSISTOR 2SD601A-Q		
202	8-729-422-27	TRANSISTO	R 2SD601A-Q		Q2016	8-729-422-27	TRANSISTOR 2SD601A-Q		
			R 2SD601A-Q			0.700 100 0	TDANIOIOTOD COSTOCIO		
	8-729-216-22				1		TRANSISTOR 2SD601A-Q		
	8-729-216-22						TRANSISTOR 2SA1162-G		
			R 2SD601A-Q				TRANSISTOR 2SD601A-Q		
					Q2119	o-729-216-22	TRANSISTOR 2SA1162-G		
			R 2SD601A-Q						
			R 2SD601A-Q			RESISTOR			
211	8-729-422-27	TRANSISTO	R 2SD601A-Q			ILLOID I ON	1		
231	8-729-422-27	TRANSISTO	R 2SD601A-Q		D204	1 216 022 00	DEC CUID 75	E0/	4/401
233	8-729-422-27	TRANSISTO	R 2SD601A-Q		R201	1-216-022-00		5% 5%	1/10V
200					R202	1-216-022-00	RES, CHIP 75	5%	1/10V
200					R203	1-216-022-00	·	5%	1/10V

COMPLETE PARTS LISTING



REF.NO.	PART NO	DESCRI	PTION	R	EMARK	REF.NO.	PART NO.	DESCRIPT	ION	RE	MARK
R204 1	-216-113-00	RES, CHIP	470K	5%	1/10W	R267	1-216-025-91	RES, CHIP	100	5%	1/10W
	-216-113-00	RES, CHIP	470K	5%	1/10W	R268	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
	-216-295-91	SHORT		0,0	.,	R269	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
		SHORT				R270	1-216-049-91	RES, CHIP	1K	5%	1/10W
	-216-295-91					R271	1-216-043-31		5.6K	5%	1/10W
R208 1	-216-295-91	SHORT				NZ/ I	1-210-007-00	NLO, OI IIF	J.0K	370	1/1000
	-216-089-91	RES, CHIP	47K	5%	1/10W	R272	1-216-025-91	RES, CHIP	100	5%	1/10W
R210 1	-216-081-00	RES, CHIP	22K	5%	1/10W	R273	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R211 1	-216-089-91	RES, CHIP	47K	5%	1/10W	R274	1-216-049-91	RES, CHIP	1K	5%	1/10W
R212 1	-216-081-00	RES, CHIP	22K	5%	1/10W	R275	1-216-025-91	RES, CHIP	100	5%	1/10W
R213 1	-216-089-91	RES, CHIP	47K	5%	1/10W	R276	1-216-295-91	SHORT			
R214 1	-216-081-00	RES, CHIP	22K	5%	1/10W	R278	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
	-208-774-11	RES, CHIP	470	0.50%	1/10W	R279	1-216-025-91	RES, CHIP	100	5%	1/10W
	-216-049-91	RES, CHIP	1K	5%	1/10W	R280	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
	-208-776-11	RES, CHIP	560	0.50%	1/10W	R281	1-216-025-91	RES, CHIP	100	5%	1/10W
	-208-774-11	RES, CHIP	470	0.50%	1/10W	R282	1-216-025-91	RES, CHIP	100	5%	1/10W
11221 1	200 774 11	INEO, OF III	470	0.5070	1/10**	1.202	. 2.0 020 0.			0,0	.,
	-216-049-91	RES, CHIP	1K	5%	1/10W	R283	1-216-049-91	RES, CHIP	1K	5%	1/10W
	-208-776-11	RES, CHIP	560	0.50%	1/10W	R284	1-216-033-00	RES, CHIP	220	5%	1/10W
	-216-025-91	RES, CHIP	100	5%	1/10W	R285	1-216-033-00	RES, CHIP	220	5%	1/10W
R226 1	-216-025-91	RES, CHIP	100	5%	1/10W	R286	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R228 1	-216-049-91	RES, CHIP	1K	5%	1/10W	R287	1-216-025-91	RES, CHIP	100	5%	1/10W
R229 1	-216-049-91	RES, CHIP	1K	5%	1/10W	R288	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
	-216-089-91	RES, CHIP	47K	5%	1/10W	R289	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
	-216-022-00	RES, CHIP	75	5%	1/10W	R290	1-216-025-91	RES, CHIP	100	5%	1/10W
	-216-022-00	RES, CHIP	75 75	5%	1/10W	R291	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
	-216-022-00	RES, CHIP	4.7K	5%	1/10W	R293	1-216-025-91	RES, CHIP	100	5%	1/10W
K233 I	-210-000-91	KES, CHIP	4./ N	3%	1/1000	11230	1 2 10 025 51	INEO, OTHI	100	370	1/1000
	-216-022-00	RES, CHIP	75	5%	1/10W	R294	1-216-077-00	RES, CHIP	15K	5%	1/10W
	-216-113-00	RES, CHIP	470K	5%	1/10W	R295	1-216-025-91	RES, CHIP	100	5%	1/10W
R236 1	-216-113-00	RES, CHIP	470K	5%	1/10W	R296	1-216-025-91	RES, CHIP	100	5%	1/10W
R237 1	-216-022-00	RES, CHIP	75	5%	1/10W	R297	1-216-025-91	RES, CHIP	100	5%	1/10W
R238 1	-216-113-00	RES, CHIP	470K	5%	1/10W	R300	1-216-025-91	RES, CHIP	100	5%	1/10W
R239 1	-216-113-00	RES, CHIP	470K	5%	1/10W	R301	1-216-049-91	RES, CHIP	1K	5%	1/10W
	-216-113-00	RES, CHIP	470K	5%	1/10W	R302	1-216-295-91	SHORT			
	-216-049-91	RES, CHIP	1K	5%	1/10W	R902	1-249-405-11	CARBON	100	5%	1/4W F
	-216-113-00	RES, CHIP	470K	5%	1/10W	R921	1-249-405-11	CARBON	100	5%	1/4W F
	-216-049-91	RES, CHIP	1K	5%	1/10W	R923	1-249-405-11	CARBON	100	5%	1/4W F
D04E 4	040 000 00	DEC CUID	75	5 0/	4/40\\\	R925	1-249-405-11	CARBON	100	5%	1/4W F
	-216-022-00	RES, CHIP	75 470K	5%	1/10W	R926	1-216-049-91	RES, CHIP	160 1K	5%	1/40V
	-216-113-00	RES, CHIP	470K	5%	1/10W	1		RES, CHIP	10K	5%	1/10W
	-216-113-00	RES, CHIP	470K	5%	1/10W	R1051	1-216-073-00				
	-216-113-00	RES, CHIP	470K	5%	1/10W	R1052	1-216-073-00	,	10K	5%	1/10W
R249 1	-216-065-91	RES, CHIP	4.7K	5%	1/10W	R1054	1-216-025-91	RES, CHIP	100	5%	1/10W
R250 1	-216-065-91	RES, CHIP	4.7K	5%	1/10W	R1055	1-216-073-00		10K	5%	1/10W
R251 1	-216-065-91	RES, CHIP	4.7K	5%	1/10W	R1056	1-216-073-00		10K	5%	1/10W
R252 1	-216-049-91	RES, CHIP	1K	5%	1/10W	R1057	1-216-025-91	RES, CHIP	100	5%	1/10W
R254 1	-216-049-91	RES, CHIP	1K	5%	1/10W	R1058	1-216-025-91	RES, CHIP	100	5%	1/10W
	-216-295-91	SHORT				R1059	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R257 1	-216-049-91	RES, CHIP	1K	5%	1/10W	R1060	1-216-073-00	RES CHIP	10K	5%	1/10W
	-216-049-91 -216-065-91	RES, CHIP	4.7K	5% 5%	1/10W	R1062	1-216-075-00		100	5%	1/10W
						R1063	1-216-023-91	RES, CHIP	10K	5%	1/10W
	-216-049-91	RES, CHIP	1K	5%	1/10W						
	-216-065-91	RES, CHIP	4.7K	5%	1/10W	R1064	1-216-073-00		10K	5% 5%	1/10W
R261 1	-216-025-91	RES, CHIP	100	5%	1/10W	R1065	1-216-025-91	RES, CHIP	100	5%	1/10W
R262 1	-216-067-00	RES, CHIP	5.6K	5%	1/10W	R1070	1-216-025-91		100	5%	1/10W
R263 1	-216-025-91	RES, CHIP	100	5%	1/10W	R1201	1-216-025-91	RES, CHIP	100	5%	1/10W
	-216-067-00	RES, CHIP	5.6K	5%	1/10W	R1202	1-216-025-91	RES, CHIP	100	5%	1/10W
R264 1						D4004	1-216-295-91	CLIODT			
	-216-025-91	RES, CHIP	100	5%	1/10W	R1204	1-210-233-31	SHUKI			



REF.N	O. PART NO	DESCRI	PTION	<u>R</u>	<u>EMARK</u>	REF.NO.	PART NO.	DESCRIPT	ION	REM	<u>IARK</u>
1208	1-216-049-91	RES, CHIP	1K	5%	1/10W	R1272	1-216-655-11	RES, CHIP	1.5K	0.50%	1/10
1209	1-216-295-91	SHORT	111	070	1/1011	R1273	1-208-788-11	RES, CHIP	1.8K	0.50%	1/10
						R1274	1-216-049-91	RES, CHIP	1K	5%	1/10
210	1-216-295-91	SHORT						,			
212	1-216-295-91	SHORT				R1276	1-216-049-91	RES, CHIP	1K	5%	1/10
213	1-216-295-91	SHORT				R1277	1-216-025-91	RES, CHIP	100	5%	1/10
214	1-216-295-91	SHORT				R1278	1-216-025-91	RES, CHIP	100	5%	1/10
215	1-208-774-11	RES, CHIP	470	0.50%	1/10W	R1279	1-216-025-91	RES, CHIP	100	5%	1/10
216	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R1280	1-216-025-91	RES, CHIP	100	5%	1/10
						R1287	1-216-295-91	SHORT			
217	1-216-091-00	RES, CHIP	56K	5%	1/10W	ı					
219	1-216-073-00	RES, CHIP	10K	5%	1/10W	R1288	1-216-295-91	SHORT			
220	1-216-013-00	RES, CHIP	33	5%	1/10W	R1289	1-216-295-91	SHORT			
221	1-216-121-91	RES, CHIP	1M	5%	1/10W	R1290	1-216-295-91	SHORT			
222	1-216-073-00	RES, CHIP	10K	5%	1/10W	R1291	1-216-295-91	SHORT			
						R1292	1-216-295-91	SHORT			
223	1-216-097-91	RES, CHIP	100K	5%	1/10W	1			41/	E0/	1/10
224	1-216-089-91	RES, CHIP	47K	5%	1/10W	R1293	1-216-049-91	RES, CHIP	1K	5%	1/10
225	1-216-097-91	RES, CHIP	100K	5%	1/10W	R1294	1-216-049-91	RES, CHIP	1K	5%	1/10
227	1-216-073-00	RES, CHIP	10K	5%	1/10W	R1295	1-216-049-91	RES, CHIP	1K	5%	1/10
228	1-208-774-11	RES, CHIP	470	0.50%	1/10W	R1296	1-216-049-91	RES, CHIP	1K	5%	1/10
		,				R1297	1-216-049-91	RES, CHIP	1K	5%	1/10
229	1-216-121-91	RES, CHIP	1M	5%	1/10W	1					
230	1-216-073-00	RES, CHIP	10K	5%	1/10W	R1298	1-216-049-91	RES, CHIP	1K	5%	1/10
231	1-216-295-91	SHORT				R1299	1-216-049-91	RES, CHIP	1K	5%	1/10
233	1-216-097-91	RES, CHIP	100K	5%	1/10W	R1300	1-216-049-91	RES, CHIP	1K	5%	1/10
234	1-216-091-00	RES, CHIP	56K	5%	1/10W	R1304	1-216-041-00	RES, CHIP	470	5%	1/10
						R1305	1-208-776-11	RES, CHIP	560	0.50%	1/10
235	1-216-013-00	RES, CHIP	33	5%	1/10W						
236	1-216-097-91	RES, CHIP	100K	5%	1/10W	R1306	1-216-025-91	RES, CHIP	100	5%	1/10
237	1-216-089-91	RES, CHIP	47K	5%	1/10W	R1307	1-216-041-00	RES, CHIP	470	5%	1/10
238	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R1308	1-208-776-11	RES, CHIP	560	0.50%	1/10
		SHORT	2.21	070	171011	R1309	1-216-025-91	RES, CHIP	100	5%	1/10
1240	1-216-295-91					R1422	1-216-065-91	RES, CHIP	4.7K	5%	1/10
242	1-216-065-91	RES, CHIP	4.7K	5%	1/10W						
1243	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R1423	1-216-065-91	RES, CHIP	4.7K	5%	1/10
244	1-216-049-91	RES, CHIP	1K	5%	1/10W	R2001	1-216-073-00	RES, CHIP	10K	5%	1/10
1245	1-216-049-91	RES, CHIP	1K	5%	1/10W	R2002	1-216-073-00	RES, CHIP	10K	5%	1/10
						R2003	1-216-085-00	RES, CHIP	33K	5%	1/10
246	1-216-022-00	RES, CHIP	75	5%	1/10W	I	1-216-057-00	RES, CHIP			
247	1-216-113-00	RES, CHIP	470K	5%	1/10W	R2004			2.2K	5%	1/10
248	1-216-113-00	RES, CHIP	470K	5%	1/10W	R2005	1-216-295-91	SHORT			
249	1-216-113-00	RES, CHIP	470K	5%	1/10W	R2006	1-216-065-91	RES, CHIP	4.7K	5%	1/10
250	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R2008	1-216-025-91	RES, CHIP	100	5%	1/10
						R2009	1-216-025-91	RES, CHIP	100	5%	1/10
251	1-216-049-91	RES, CHIP	1K	5%	1/10W						1/10
252	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R2010	1-216-001-00		10 470	5%	
254	1-216-049-91	RES, CHIP	1K	5%	1/10W	R2011	1-216-041-00	RES, CHIP	470	5%	1/10
255	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R2012	1-216-025-91	RES, CHIP	100	5%	1/10
256	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R2013	1-216-081-00	RES, CHIP	22K	5%	1/10
257	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	R2014	1-216-069-00	RES, CHIP	6.8K	5%	1/10
						R2015	1-216-065-91	RES, CHIP	4.7K	5%	1/10
258	1-216-049-91	RES, CHIP	1K	5%	1/10W	1					
259	1-216-049-91	RES, CHIP	1K	5%	1/10W	R2016	1-208-822-11	RES, CHIP	47K	0.50%	1/10
260	1-216-295-91	SHORT				R2021	1-216-081-00	RES, CHIP	22K	5%	1/10
263	1-216-295-91	SHORT				R2022	1-216-049-91	RES, CHIP	1K	5%	1/10
264	1-216-049-91	RES, CHIP	1K	5%	1/10W	R2023	1-216-049-91	RES, CHIP	1K	5%	1/10
						R2027	1-216-049-91	RES, CHIP	1K	5%	1/10
265	1-216-001-00	RES, CHIP	10	5%	1/10W	1					
266	1-216-041-00	RES, CHIP	470	5%	1/10W	R2028	1-216-049-91	RES, CHIP	1K	5%	1/10
267	1-216-025-91	RES, CHIP	100	5%	1/10W	R2029	1-216-043-91	RES, CHIP	560	5%	1/10
268	1-216-049-91	RES, CHIP	1K	5%	1/10W	R2030	1-216-043-91	RES, CHIP	560	5%	1/10
						R2031	1-216-067-00	RES, CHIP	5.6K	5%	1/10
269	1-216-041-00	RES, CHIP	470	5%	1/10W			RES, CHIP	5.6K	5%	1/10
	1-216-049-91	RES, CHIP	1K	5%	1/10W	R2032	1-216-067-00	NEO, UTIL	J.0N	J/0	1/10
270 271	1-216-001-00	RES, CHIP	10	5%	1/10W	R2033	1-216-057-00	DEC CLUB	2.2K	5%	1/10

COMPLETE PARTS LISTING UX

	REF.N	IO. PART NO	DESCI	RIPTION	<u>R</u>	EMARK	REF.NO	. PART NO.	DESCRIPT	<u> </u>	RE	MARK
	R2034	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R2105	1-216-295-91	SHORT			
\$1,200 \$1,200 \$1,200 \$1,000 \$	R2035	1-208-775-11	RES, CHIP	510	0.50%	1/10W	R2106	1-216-295-91	SHORT			
\$1,000 \$1,000 \$1,000 \$1,000 \$2,000 \$1,000 \$2,000 \$1,000 \$2,000 \$1,000 \$2,000 \$1,000 \$	R2036	1-208-775-11	RES, CHIP	510	0.50%	1/10W						
R2089 121603450 RES, CHIP 20 5% 1/10W R215 121604991 RES, CHIP 1	R2037	1-216-051-00		1.2K	5%	1/10W	1			47	5%	1/10W
							1		,			
	R2039	1-216-047-91	RES, CHIP	820	5%	1/10W	R2153	1-216-295-91	SHORT			
## Part ## P	R2040	1-216-057-00		2.2K	5%	1/10W						
# # # # # # # # # #	R2041	1-216-047-91	RES, CHIP	820	5%	1/10W						
R2043 1.216-085-00 RES, CHIP 33K 5% 1/10W R2047 1.216-082-00 RES, CHIP 75 5% 1/10W R2047 1.216-085-00 RES, CHIP 12K 5% 1/10W R2047 1.216-085-00 RES, CHIP 12K 5% 1/10W R2049 1.216-085-00 RES, CHIP 14K 5% 1/10W R2049 1.216-085-00 RES, CHIP 14K 5% 1/10W R2049 1.216-085-00 RES, CHIP 47K 5% 1/10W R2049 1.216-085-00 RES, CHIP 47K 5% 1/10W R2049 1.216-085-00 RES, CHIP 47K 5% 1/10W R2049 RES, CHIP 47K 5% 1/10W R2049 RES, CHIP 14K 5% 1/10W R2049 RES, CHIP 14K 5% 1/10W R2049 RES, CHIP 14K 5% 1/10W R2049 RES, CHIP 47K 5% 1/10W R2049 RES, CHIP 14K 5% 1/10W R2049 RES, CHIP 16K 5% 1/10W R2049 RES, CHIP 16K 5% 1/10W R2049 RES, CHIP 16K 5% 1/10W R2049 RES, CHIP 10K 5% 1/10W							1					
R2040 1-216-007-50 RES, CHIP 30K 5% 11/10W R2040 1-216-005-91 RES, CHIP 30K 5% 11/10W R2040 1-216-005-91 RES, CHIP 47K 5% 11/10W R2040 1-216-005-91 RES, CHIP 47K 5% 11/10W R2040 1-216-005-91 RES, CHIP 1K 5% 11/10W R2051 1-216-005-91 RES, CHIP 47K 5% 11/10W R2051 1-216-005-91 RES, CHIP 1K 5% 11/10W R2051 1-216-005-91 RES, CHIP 1K 5% 11/10W R2051 1-216-005-91 RES, CHIP 470 5% 11/10W R2052 1-216-006-91 RES, CHIP 470 5% 11/10W R2052 1-216-007-91 RES, CHIP 56K 5% 11/10W R2052 1-216-007-91 RES, CHIP 1K 5% 11/10W R2059 1-216-004-91 RES, CHIP 560 5% 11/10W R2059 1-216-004-91 RES, CHIP 100	R2043	1-216-085-00								75	5%	1/10W
R2049 1-26-085-00 RES, CHIP 3K 5% 1/10W R2049 1-25-085-91 RES, CHIP 4.7K 5% 1/10W X2002 1-767-808-11 VIBRATOR, CRYSTAL X20	R2044	1-216-057-00	RES, CHIP	2.2K	5%	1/10W	R2202	1-216-022-00	RES, CHIP	75	5%	1/10W
	R2046	1-216-075-00	RES, CHIP	12K	5%	1/10W	R2203	1-216-022-00	RES, CHIP	75	5%	1/10W
R2099 1-216-066-91 RES, CHIP	R2047	1-216-085-00	RES, CHIP	33K	5%	1/10W						
1-216-017-21	R2048	1-216-049-91	RES, CHIP	1K	5%	1/10W						
R2051 1-216-049-91 RES, CHIP 1K 5% 1/10W X2002 1-76F-36F-21 VIBRATOR, CERAMIC X2002 1-76F	R2049	1-216-065-91	RES, CHIP	4.7K	5%	1/10W		CRYSTAL				
R2051 1-216-049-91 RES, CHIP 1K 5% 1/10W R2053 1-216-049-91 RES, CHIP 470 5% 1/10W R2054 1-216-041-00 RES, CHIP 470 5% 1/10W R2055 1-216-047-00 RES, CHIP 470 5% 1/10W R2056 1-216-067-00 RES, CHIP 568 5% 1/10W R2057 1-216-049-91 RES, CHIP 1K 5% 1/10W R2056 1-216-067-00 RES, CHIP 568 5% 1/10W R2056 1-216-067-00 RES, CHIP 1K 5% 1/10W R2056 1-216-049-91 RES, CHIP 1K 5% 1/10W R2056 1-216-049-91 RES, CHIP 1K 5% 1/10W R2056 1-216-049-91 RES, CHIP 560 0.55% 1/10W R2076 1-216-049-91 RES, CHIP 560	R2050	1-216-017-91	RES, CHIP	47	5%	1/10W	X2001	1-767-606-11	VIBRATOR, CR	YSTAL		
R2052 1-216-049-91 RES, CHIP 1K 5% 1/10W R2053 1-216-041-00 RES, CHIP 470 5% 1/10W R2054 1-216-041-00 RES, CHIP 470 5% 1/10W R2056 1-216-049-91 RES, CHIP 47 5% 1/10W R2056 1-216-049-91 RES, CHIP 1K 5% 1/10W R2056 1-216-049-91 RES, CHIP 22K 5% 1/10W R2069 1-216-049-91 RES, CHIP 22K 5% 1/10W R2061 1-216-025-91 RES, CHIP 100 5% 1/10W R2061 1-216-025-91 RES, CHIP 560 5% 1/10W R2062 1-216-03-91 RES, CHIP 560 5% 1/10W R2063 1-216-049-91 RES, CHIP 5% 1/10W R2063 1-216-049-91 RES, CHIP 1K 5% 1/10W R2065 1-216-049-91 RES, CHIP 1K 5% 1/10W R2066 1-216-03-300 RES, CHIP 1K 5% 1/10W R2066 1	R2051	1-216-049-91	RES, CHIP	1K	5%	1/10W			,			
R2054 1-216-041-00 RES, CHIP 470 5% 1/10W R2055 1-216-017-91 RES, CHIP 5-5K 5% 1/10W R2056 1-216-069-91 RES, CHIP 1K 5% 1/10W R2056 1-216-059-00 RES, CHIP 2 2ZK 5% 1/10W R2058 1-216-059-01 RES, CHIP 100 5% 1/10W R2061 1-216-049-91 RES, CHIP 100 5% 1/10W R2061 1-216-049-91 RES, CHIP 2 2ZK 5% 1/10W R2061 1-216-049-91 RES, CHIP 560 5% 1/10W R2062 1-216-059-91 RES, CHIP 100 5% 1/10W R2063 1-216-049-91 RES, CHIP 1K 5% 1/10W R2064 1-216-049-91 RES, CHIP 1K 5% 1/10W R2065 1-216-049-91 RES, CHIP 1K 5% 1/10W R2066 1-216-049-91 RES, CHIP 1K 5% 1/10W R2066 1-216-049-91 RES, CHIP 560 5% 1/10W R2067 1-216-049-00 RES, CHIP 560 5% 1/10W R2070 1-208-777-11 RES, CHIP 560 0.50% 1/10W R2071 1-208-777-11 RES, CHIP 560 0.50% 1/10W R2071 1-208-778-11 RES, CHIP 560 0.50% 1/10W R2071 1-208-778-11 RES, CHIP 560 0.50% 1/10W R2071 1-216-049-91 RES, CHIP 560 0.50% 1/10W R2071 1-216-049-91 RES, CHIP 560 0.50% 1/10W R2071 1-216-049-91 RES, CHIP 560 0.50% 1/10W R2071 1-216-059-91 RES, CHIP 560 0.50% 1/10W R2071 1-216-059-91 RES, CHIP 560 0.50% 1/10W R2071 1-216-059-91 RES, CHIP 560 0.50% 1/10W R2072 1-216-049-91 RES, CHIP 560 0.50% 1/10W R2073 1-216-049-91 RES, CHIP 560 0.50% 1/10W R2074 1-216-059-91 RES, CHIP 560 0.50% 1/10W R2075 1-216-059-91 RES, CHIP 560 0.50% 1/10W R2076 1-216-059-91 RES, CHIP 560 0.50% 1/10W R2077 1-216-059-91 RES, CHIP 100 5% 1/10W R2078 1-216-059-91 RES, CHIP 100 5% 1/10W R2079 1-216-059-91 RES, CHIP 100 5% 1/10W R2079 1-216-059-91 RES, CHIP 100 5% 1/10W R2079 1-216-059-91 RES, CHIP 100 5% 1/10W R2099 1-216-059-91 RES, CHIP 100 5% 1/10W R2090 1-216-059-91 RES, CHIP 100 5% 1/10W R2090 1-216-059-91 RES, CHIP 100 5% 1/10W R2090 1-216-059-91 RES, CHIP 100 5% 1/10W R2091 1-216-059-91 RES, CHIP 100 5% 1/10W	R2052	1-216-049-91	RES, CHIP	1K	5%	1/10W	7.2002					
R2055 1-216-017-91 RES, CHIP 5-56K 5% 1/10W R2056 1-216-067-00 RES, CHIP 5-56K 5% 1/10W R2057 1-216-049-91 RES, CHIP 1K 5% 1/10W R2059 1-216-049-91 RES, CHIP 1K 5% 1/10W R2059 1-216-049-91 RES, CHIP 1K 5% 1/10W R2059 1-216-049-91 RES, CHIP 2X 5% 1/10W R2059 1-216-049-91 RES, CHIP 500 5% 1/10W R2051 1-216-049-91 RES, CHIP 500 5% 1/10W R2056 1-216-049-91 RES, CHIP 47K 5% 1/10W R2056 1-216-049-91 RES, CHIP 1K 5% 1/10W R2056 1-216-049-91 RES, CHIP 2X 5% 1/10W R2056 1-216-049-91 RES, CHIP 500 0.50% 1/10W R2056 1-216-049-91 RES, CHIP 500 0.50% 1/10W R205777-11 RES, CHIP 500 0.50% 1/10W R205777-11 RES, CHIP 500 0.50% 1/10W R2071 1-216-049-91 RES, CHIP 500 5% 1/10W R2071 1-216-049-91 RES, CHIP 100 5% 1/10W R2071 1-216-049-91 RE	R2053	1-216-041-00	RES, CHIP	470	5%	1/10W						
R2086 1-216-004-91 RES, CHIP 1K 5% 1/10W R2086 1-216-005-00 RES, CHIP 1K 5% 1/10W R2086 1-216-005-00 RES, CHIP 1K 5% 1/10W R2086 1-216-005-91 RES, CHIP 1K 5% 1/10W R2086 1-216-005-91 RES, CHIP 2B 560 5% 1/10W R2086 1-216-005-91 RES, CHIP 47K 5% 1/10W R2086 1-216-005-91 RES, CHIP 47K 5% 1/10W R2086 1-216-005-91 RES, CHIP 1K 5% 1/10W R2086 1-216-005-91 RES, CHIP 1K 5% 1/10W R2086 1-216-005-91 RES, CHIP 2D 5% 1/10W R2086 1-216-005-91 RES, CHIP 2D 5% 1/10W R2086 1-216-005-91 RES, CHIP 2D 5% 1/10W R2086 1-216-005-00 RES, CHIP 560 0.50% 1/10W R2071 1-216-005-00 RES, CHIP 560 5% 1/10W R20	R2054	1-216-041-00	RES, CHIP	470	5%	1/10W						
R2057 -2:16-049-91 RES, CHIP 1K 5% 1/10W	R2055	1-216-017-91	RES, CHIP	47	5%	1/10W						
R2089 1-216-09-90 RES, CHIP 1K 5% 1/10W R2080 1-216-09-91 RES, CHIP 1K 5% 1/10W R2081 1-216-049-91 RES, CHIP 560 5% 1/10W R2082 1-216-105-91 RES, CHIP 220K 5% 1/10W R2083 1-216-09-91 RES, CHIP 47K 5% 1/10W R2084 1-216-09-91 RES, CHIP 47K 5% 1/10W R2085 1-216-09-91 RES, CHIP 47K 5% 1/10W R2086 1-216-03-00 RES, CHIP 1K 5% 1/10W R2086 1-216-03-00 RES, CHIP 220 5% 1/10W R2086 1-216-03-00 RES, CHIP 560 0.50% 1/10W R2087 1-216-03-00 RES, CHIP 560 0.50% 1/10W R2087 1-216-03-00 RES, CHIP 560 0.50% 1/10W R2070 1-208-777-11 RES, CHIP 560 0.50% 1/10W R2071 1-216-03-91 RES, CHIP 560 0.50% 1/10W R2072 1-216-03-91 RES, CHIP 560 0.50% 1/10W R2073 1-216-03-91 RES, CHIP 560 0.50% 1/10W R2074 1-216-03-91 RES, CHIP 1K 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2077 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-025-91 RES, CHIP 100 5% 1/10W R2090 1-216-025-91 RES, CHIP 100 5% 1/10W R2091 1-216-025-91 RES, CHIP 100 5% 1/10W	R2056	1-216-067-00	RES, CHIP	5.6K	5%	1/10W						
R2059 1-216-049-91 RES, CHIP 100 5% 1/10W R2060 1-216-025-91 RES, CHIP 500 5% 1/10W R2061 1-216-03-91 RES, CHIP 500 5% 1/10W R2062 1-216-05-91 RES, CHIP 47K 5% 1/10W R2063 1-216-08-91 RES, CHIP 47K 5% 1/10W R2064 1-216-049-91 RES, CHIP 1K 5% 1/10W R2065 1-216-049-91 RES, CHIP 1K 5% 1/10W R2066 1-216-049-91 RES, CHIP 910 5% 1/10W R2067 1-216-048-00 RES, CHIP 910 5% 1/10W R2069 1-206-776-11 RES, CHIP 560 0.59% 1/10W R2070 1-206-777-11 RES, CHIP 560 0.59% 1/10W R2071 1-216-043-91 RES, CHIP 560 5% 1/10W R2072 1-216-043-91 RES, CHIP 560 5% 1/10W R2073 1-216-043-91 RES, CHIP 560 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2077 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-206-025-91 RES, CHIP 100 5% 1/10W R2070 1-206-025-91 RES, CHIP 100 5% 1/10W R2071 1-216-025-91 RES, CHIP 100 5% 1/10W R2072 1-216-025-91 RES, CHIP 100 5% 1/10W R2073 1-216-025-91 RES, CHIP 100 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2075 1-216-025-91 RES, CHIP 100 5% 1/10W R2076 1-216-025-91 RES, CHIP 100 5% 1/10W R2077 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2090 1-216-025-91 RES, CHIP 100 5% 1/10W R2091 1-216-025-91 RES, CHIP 100 5% 1/10W	R2057	1-216-049-91	RES, CHIP	1K	5%	1/10W						
R2059 1-216-049-91 RES, CHIP 100 5% 1/10W R2060 1-216-025-91 RES, CHIP 500 5% 1/10W R2061 1-216-03-91 RES, CHIP 500 5% 1/10W R2062 1-216-05-91 RES, CHIP 47K 5% 1/10W R2063 1-216-08-91 RES, CHIP 47K 5% 1/10W R2064 1-216-049-91 RES, CHIP 1K 5% 1/10W R2065 1-216-049-91 RES, CHIP 1K 5% 1/10W R2066 1-216-049-91 RES, CHIP 910 5% 1/10W R2067 1-216-048-00 RES, CHIP 910 5% 1/10W R2069 1-206-776-11 RES, CHIP 560 0.59% 1/10W R2070 1-206-777-11 RES, CHIP 560 0.59% 1/10W R2071 1-216-043-91 RES, CHIP 560 5% 1/10W R2072 1-216-043-91 RES, CHIP 560 5% 1/10W R2073 1-216-043-91 RES, CHIP 560 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2077 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-206-025-91 RES, CHIP 100 5% 1/10W R2070 1-206-025-91 RES, CHIP 100 5% 1/10W R2071 1-216-025-91 RES, CHIP 100 5% 1/10W R2072 1-216-025-91 RES, CHIP 100 5% 1/10W R2073 1-216-025-91 RES, CHIP 100 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2075 1-216-025-91 RES, CHIP 100 5% 1/10W R2076 1-216-025-91 RES, CHIP 100 5% 1/10W R2077 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2090 1-216-025-91 RES, CHIP 100 5% 1/10W R2091 1-216-025-91 RES, CHIP 100 5% 1/10W	R2058	1-216-057-00	RES, CHIP	2.2K	5%	1/10W						
R2061 -2:6-043-91 RES, CHIP 560 5% 1/10W R2062 -2:16-049-91 RES, CHIP 20K 5% 1/10W R2064 -2:16-049-91 RES, CHIP 1K 5% 1/10W R2065 -2:16-039-91 RES, CHIP 1K 5% 1/10W R2066 -2:16-039-91 RES, CHIP 1K 5% 1/10W R2066 -2:16-039-91 RES, CHIP 220 5% 1/10W R2066 -2:16-039-91 RES, CHIP 220 5% 1/10W R2067 -2:16-039-91 RES, CHIP 200 5% 1/10W R2069 -2:08-776-11 RES, CHIP 560 0.50% 1/10W R2070 1-2:08-777-11 RES, CHIP 620 0.50% 1/10W R2071 1-2:16-049-91 RES, CHIP 560 5% 1/10W R2072 1-2:16-049-91 RES, CHIP 560 5% 1/10W R2073 1-2:16-049-91 RES, CHIP 100 5% 1/10W R2074 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2075 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2076 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2079 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2093 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2094 1-2:08-810-11 RES, CHIP 100 5% 1/10W R2095 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2096 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2097 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2098 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2099 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2091 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2092 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2093 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2094 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2095 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2096 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2097 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2098 1-2:16-025-91 RES, CHIP 100 5% 1/10W R2099 1-2:16-025-91 RES, CHIP 100 5% 1/10W	R2059											
R2061 1-216-043-91 RES, CHIP 560 5% 1/10W R2062 1-216-089-91 RES, CHIP 220K 5% 1/10W R2063 1-216-089-91 RES, CHIP 47K 5% 1/10W R2064 1-216-049-91 RES, CHIP 11K 5% 1/10W R2065 1-216-039-90 RES, CHIP 11K 5% 1/10W R2066 1-216-039-90 RES, CHIP 220 5% 1/10W R2067 1-216-040-00 RES, CHIP 910 5% 1/10W R2069 1-208-776-11 RES, CHIP 560 0.50% 1/10W R2070 1-208-777-11 RES, CHIP 620 0.50% 1/10W R2071 1-216-049-91 RES, CHIP 560 5.50% 1/10W R2072 1-216-049-91 RES, CHIP 560 5.50% 1/10W R2073 1-216-049-91 RES, CHIP 560 5% 1/10W R2073 1-216-049-91 RES, CHIP 560 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2075 1-216-025-91 RES, CHIP 100 5% 1/10W R2077 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-225-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2094 1-208-910-11 RES, CHIP 100 5% 1/10W R2095 1-216-025-91 RES, CHIP 100 5% 1/10W R2096 1-216-025-91 RES, CHIP 100 5% 1/10W R2097 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2091 1-216-025-91 RES, CHIP 100 5% 1/10W	R2060	1-216-025-91	RES, CHIP	100	5%	1/10W						
R2022 1-216-105-91 RES, CHIP 220K 5% 1/10W R2063 1-216-089-91 RES, CHIP 47K 5% 1/10W R2064 1-216-049-91 RES, CHIP 1K 5% 1/10W R2065 1-216-049-91 RES, CHIP 1K 5% 1/10W R2066 1-216-033-00 RES, CHIP 20 5% 1/10W R2067 1-216-048-00 RES, CHIP 910 5% 1/10W R2069 1-208-776-11 RES, CHIP 560 0.50% 1/10W R2070 1-208-777-11 RES, CHIP 560 0.50% 1/10W R2071 1-216-043-91 RES, CHIP 560 0.50% 1/10W R2072 1-216-043-91 RES, CHIP 560 5% 1/10W R2073 1-216-049-91 RES, CHIP 560 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2075 1-216-025-91 RES, CHIP 100 5% 1/10W R2076 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-025-91 RES, CHIP 100 5% 1/10W R2094 1-208-810-11 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2094 1-208-810-11 RES, CHIP 100 5% 1/10W R2095 1-216-025-91 RES, CHIP 100 5% 1/10W R2097 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2090 1-216-025-91 RES, CHIP 100 5% 1/10W R2091 1-216-025-91 RES, CHIP 100 5% 1/10W R2092 1-216-025-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2094 1-208-810-11 RES, CHIP 100 5% 1/10W R2095 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2101 1-216-025-91 RES, CHIP 100 5% 1/10W												
R2063 1-216-089-91 RES, CHIP 47K 5% 1/10W R2066 1-216-039-91 RES, CHIP 1K 5% 1/10W R2066 1-216-033-00 RES, CHIP 220 5% 1/10W R2067 1-216-048-00 RES, CHIP 220 5% 1/10W R2069 1-208-776-11 RES, CHIP 560 0.50% 1/10W R2070 1-208-777-11 RES, CHIP 560 0.50% 1/10W R2071 1-216-048-00 RES, CHIP 560 0.50% 1/10W R2071 1-216-049-91 RES, CHIP 560 0.50% 1/10W R2072 1-216-049-91 RES, CHIP 560 5% 1/10W R2073 1-216-049-91 RES, CHIP 560 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2075 1-216-025-91 RES, CHIP 100 5% 1/10W R2076 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-025-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2094 1-208-810-11 RES, CHIP 100 5% 1/10W R2095 1-216-025-91 RES, CHIP 100 5% 1/10W R2097 1-216-025-91 RES, CHIP 100 5% 1/10W R2098 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2091 1-216-025-91 RES, CHIP 100 5% 1/10W R2092 1-216-025-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2094 1-206-025-91 RES, CHIP 100 5% 1/10W R2095 1-216-025-91 RES, CHIP 100 5% 1/10W R2096 1-216-025-91 RES, CHIP 100 5% 1/10W R2097 1-216-025-91 RES, CHIP 100 5% 1/10W R2098 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2102 1-216-025-91 RES, CHIP 100 5% 1/10W R2102 1-216-025-91 RES, CHIP 100 5% 1/10W R2103 1-216-017-91 RES, CHIP 5% 1/10W												
R2064 1-216-049-91 RES, CHIP 1K 5% 1/10W R2065 1-216-049-91 RES, CHIP 220 5% 1/10W R2066 1-216-033-00 RES, CHIP 20 5% 1/10W R2067 1-216-048-00 RES, CHIP 910 5% 1/10W R2069 1-208-776-11 RES, CHIP 560 0.50% 1/10W R2071 1-216-067-00 RES, CHIP 560 0.50% 1/10W R2072 1-216-043-91 RES, CHIP 560 5.05% 1/10W R2073 1-216-049-91 RES, CHIP 560 5% 1/10W R2073 1-216-049-91 RES, CHIP 1K 5% 1/10W R2074 1-216-025-91 RES, CHIP 100 5% 1/10W R2075 1-216-025-91 RES, CHIP 100 5% 1/10W R2077 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-225-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2094 1-208-810-11 RES, CHIP 15K 0.50% 1/10W R2095 1-216-025-91 RES, CHIP 100 5% 1/10W R2096 1-216-025-91 RES, CHIP 100 5% 1/10W R2097 1-216-025-91 RES, CHIP 100 5% 1/10W R2098 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2090 1-216-025-91 RES, CHIP 100 5% 1/10W R2091 1-216-025-91 RES, CHIP 100 5% 1/10W R2092 1-216-025-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2094 1-208-25-91 RES, CHIP 100 5% 1/10W R2095 1-216-025-91 RES, CHIP 100 5% 1/10W R2097 1-216-025-91 RES, CHIP 100 5% 1/10W R2098 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2010 1-216-025-91 RES, CHIP 100 5% 1/10W R2010 1-216-025-91 RES, CHIP 100 5% 1/10W R2101 1-216-025-91 RES, CHIP 100 5% 1/10W												
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R2073 1-216-049-91 RES, CHIP 1K 5% 1/10W R2076 1-216-025-91 RES, CHIP 100 5% 1/10W R2076 1-216-025-91 RES, CHIP 100 5% 1/10W R2077 1-216-025-91 RES, CHIP 100 5% 1/10W R2079 1-216-025-91 RES, CHIP 100 5% 1/10W R2092 1-216-025-91 RES, CHIP 100 5% 1/10W R2093 1-216-025-91 RES, CHIP 100 5% 1/10W R2094 1-208-810-11 RES, CHIP 100 5% 1/10W R2094 1-208-810-11 RES, CHIP 100 5% 1/10W R2096 1-216-025-91 RES, CHIP 100 5% 1/10W R2096 1-216-025-91 RES, CHIP 100 5% 1/10W R2097 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2091 1-216-025-91 RES, CHIP 100 5% 1/10W R2101 1-216-025-91 RES, CHIP												
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R2097 1-216-025-91 RES, CHIP 100 5% 1/10W R2098 1-216-025-91 RES, CHIP 100 5% 1/10W R2099 1-216-025-91 RES, CHIP 100 5% 1/10W R2100 1-216-025-91 RES, CHIP 100 5% 1/10W R2101 1-216-025-91 RES, CHIP 100 5% 1/10W R2102 1-216-025-91 RES, CHIP 100 5% 1/10W R2103 1-216-025-91 RES, CHIP 100 5% 1/10W R2103 1-216-017-91 RES, CHIP 47 5% 1/10W												
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R2102 1-216-025-91 RES, CHIP 100 5% 1/10W R2103 1-216-017-91 RES, CHIP 47 5% 1/10W	R2100		RES, CHIP	100	5%	1/10W						
R2103 1-216-017-91 RES, CHIP 47 5% 1/10W				100								
	R2102	1-216-025-91	RES, CHIP	100	5%	1/10W						
R2104 1-216-295-91 SHORT I	R2103			47	5%	1/10W						
	R2104	1-216-295-91	SHORT				I					



REF.NO. PAR	NO. DESCRIPTION	REMARK
IJX		

PIP SCHEMATIC (FOR UX BOARD MAIN COMPONENTS SEE PAGE 106)

- * A-1394-947-A UX BOARD, COMPLETE (KV-32XBR250/36XBR250 only)
- * A-1394-948-A UX BOARD, COMPLETE (KV-34FX250C/38FX250/38FX250C/38FX250T only)

CAPACITOR

C3301 C3302 C3319	1-104-664-11 1-163-021-91 1-163-031-11	ELECT CERAMIC CERAMIC	47μF 0.01μF 0.01μF	20% 10%	25V 50V 50V
C3320 C3321 C3322 C3323	1-126-960-11 1-163-231-11 1-163-231-11 1-163-031-11	ELECT CERAMIC CERAMIC CERAMIC	1μF 15pF 15pF 0.01μF	20% 5% 5%	50V 50V 50V 50V
C3324 C3325 C3328 C3329 C3330	1-126-926-11 1-126-926-11 1-126-925-11 1-104-664-11 1-163-031-11	ELECT ELECT ELECT ELECT CERAMIC	1000μF 1000μF 470μF 47μF 0.01μF	20% 20% 20% 20%	10V 10V 10V 16V 50V
C3331 C3332 C3334 C3340 C3342	1-104-664-11 1-104-664-11 1-163-031-11 1-163-031-11 1-163-009-11	ELECT ELECT CERAMIC CERAMIC CERAMIC	47μF 47μF 0.01μF 0.01μF 0.001μF	20% 20% 10%	16V 25V 50V 50V 50V
C3346 C3347 C3348 C3349 C3350	1-163-251-11 1-126-960-11 1-104-664-11 1-163-249-11 1-164-004-11	CERAMIC ELECT ELECT CERAMIC CERAMIC	100pF 1μF 47μF 82pF 0.1μF	5% 20% 20% 5% 10%	50V 50V 16V 50V 25V
C3352 C3353 C3354 C3355 C3356	1-163-031-11 1-126-960-11 1-163-031-11 1-104-664-11 1-163-038-91	CERAMIC ELECT CERAMIC ELECT CERAMIC	0.01µF 1µF 0.01µF 47µF 0.1µF	20%	50V 50V 50V 16V 25V
C3357 C3358 C3359 C3360 C3361	1-163-038-91 1-163-038-91 1-163-038-91 1-163-038-91 1-163-038-91	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.1μF 0.1μF 0.1μF 0.1μF 0.1μF		25V 25V 25V 25V 25V
C3362 C3363 C3364 C3365 C3366	1-104-664-11 1-163-031-11 1-163-229-11 1-163-133-00 1-126-959-11	ELECT CERAMIC CERAMIC CERAMIC ELECT	47μF 0.01μF 12pF 470pF 0.47μF	20% 5% 5% 20%	16V 50V 50V 50V 50V
C3367 C3368 C3369 C3370 C3371	1-126-963-11 1-164-005-11 1-163-251-11 1-126-960-11 1-163-017-00	ELECT CERAMIC CERAMIC ELECT CERAMIC	4.7μF 0.47μF 100pF 1μF 0.0047μF	20% 5% 20% 10%	50V 25V 50V 50V 50V

REF.NO. PART NO.	DESCRIPTION		REM	<u>IARK</u>
C3372 1-164-005-11	CERAMIC	0.47µF		25V
C3377 1-164-004-11	CERAMIC	0.1μF	10%	25V
(KV-32XBR250/36X	(BR250 only)			
C3378 1-163-006-11	CERAMIC	560pF	10%	50V
(KV-32XBR250/36X	(BR250 only)			
C3380 1-164-004-11	CERAMIC	0.1µF	10%	25V
(KV-32XBR250/36X	• ,			
C3381 1-163-019-00		0.0068µF	10%	50V
(KV-32XBR250/36X	(BR250 only)			
00000 4 404 044 44	OFDAMIO	0.000	400/	05)/
C3382 1-164-344-11	CERAMIC	0.068µF	10%	25V
(KV-32XBR250/36X	• ,	0.4	000/	50)/
C3383 1-126-956-91	ELECT	0.1µF	20%	50V
(KV-32XBR250/36X	• /	470 5	200/	05)/
C3385 1-126-941-11	ELECT	470µF	20%	25V

FERRITE BEAD

FB3301 1-414-234-22 INDUCTOR FB3302 1-414-234-22 INDUCTOR

<u>IC</u>

IC3302	8-759-358-38	IC NJM78M05DLA(TE1)
IC3303	8-759-533-89	IC SDA9288XE-GEG-B12
IC3304	8-752-086-80	IC CXA2019AQ-T4
IC3307	8-759-575-50	IC Z8613012SSC
(KV-	32XBR250/36X	BR250 only)
IC3308	8-759-932-69	IC BU4053BCF-T2

COIL

L3301	1-414-856-11	INDUCTOR	10µH
L3302	1-410-473-11	INDUCTOR	18µH
L3303	1-410-473-11	INDUCTOR	18µH
L3305	1-408-619-31	INDUCTOR	220µH
L3306	1-414-857-11	INDUCTOR	100µH
L3307	1-414-856-11	INDUCTOR	10µH

TRANSISTOR

R3303 1-216-295-91 SHORT R3304 1-216-295-91 SHORT

Q3301	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3302	8-729-216-22	TRANSISTOR 2SA1162-G
Q3305	8-729-216-22	TRANSISTOR 2SA1162-G
Q3306	8-729-216-22	TRANSISTOR 2SA1162-G
Q3307	8-729-216-22	TRANSISTOR 2SA1162-G
Q3310	8-729-422-27	TRANSISTOR 2SD601A-Q
Q3312	8-729-216-22	TRANSISTOR 2SA1162-G
Q3314	8-729-216-22	TRANSISTOR 2SA1162-G
Q3322	8-729-422-27	TRANSISTOR 2SD601A-Q
(KV-	32XBR250/36X	BR250 only)
R3301	1-216-295-91	SHORT

COMPLETE PARTS LISTING UX

REF.N	NO. PART N	DESCR	RIPTION	<u>R</u>	EMARK	REF.NO	. PART NO.	DESCRIP	TION	RE	MARK
3305	1-216-043-91		560	5%	1/10W		1-216-041-00		470	5%	1/10W
3306	1-216-295-91					(KV-	32XBR250/36X	BR250 only)			
3308	1-216-295-91	SHORT				R3395	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
(KV-	32XBR250/36	KBR250 only)				R3398	1-216-069-00	RES, CHIP	6.8K	5%	1/10W
3309	1-216-041-00	RES, CHIP	470	5%	1/10W	(KV-	32XBR250/36X	BR250 only)			
3312	1-216-037-00	RES, CHIP	330	5%	1/10W	R3399	1-216-025-91	RES, CHIP	100	5%	1/10W
3313	1-216-295-91	SHORT					32XBR250/36X				
3314	1-216-049-91	RES, CHIP	1K	5%	1/10W	,	1-216-025-91	,,	100	5%	1/10W
3320	1-216-295-91					1	32XBR250/36X				
3322	1-216-065-91		4.7K	5%	1/10W	١ ،	1-216-025-91	,,	100	5%	1/10W
		-, -					32XBR250/36X	,		070	.,
3323	1-216-065-91	RES, CHIP	4.7K	5%	1/10W	,	1-216-073-00	,,	10K	5%	1/10W
3324	1-216-065-91	RES, CHIP	4.7K	5%	1/10W		32XBR250/36X			070	.,
3325	1-216-025-91		100	5%	1/10W	(,,,,	02/10/12/00/00/1	.D11200 0111y)			
	32XBR250/36			0,0	.,						
3326	1-216-295-91	• ,					CRYSTAL				
.0020	1 210 200 01	CHOIL					CKISIAL				
3329	1-216-069-00	RES, CHIP	6.8K	5%	1/10W	Vaana	1 760 005 04	VIDDATOD O	OVETAL		
3332	1-216-033-00		220	5%	1/10W	X3302	1-760-095-21	VIBRATOR, CI			
3337	1-216-033-00	,	220	5%	1/10W	X3303	1-577-611-11	OSCILLATOR,			
3338	1-216-033-00		220	5%	1/10W	X3304	1-567-505-11	OSCILLATOR,	CRYSTAL		
3339	1-216-033-00		1K	5%	1/10W						
.3333	1-210-049-91	KLO, CHIF	IIX	3/0	1/1000						
3340	1-216-041-00	RES, CHIP	470	5%	1/10W						
3341			2.2K	5% 5%							
	1-216-057-00				1/10W						
3342	1-216-057-00	,	2.2K	5%	1/10W						
3343	1-216-049-91		1K	5%	1/10W						
3346	1-216-049-91	RES, CHIP	1K	5%	1/10W						
3350	1-216-295-91	SHORT									
3351	1-216-295-91	SHORT									
3352	1-216-293-91	RES, CHIP	1K	5%	1/10W						
			IIX	370	1/1000						
3355	1-216-295-91										
23357	1-216-295-91	SHORT									
3358	1-216-047-91	RES, CHIP	820	5%	1/10W						
3359	1-216-047-91	RES, CHIP	820	5%	1/10W						
		,									
23360	1-216-053-00	,	1.5K	5%	1/10W						
3361	1-216-045-00		680	5%	1/10W						
3362	1-208-768-11	RES, CHIP	240	0.50%	1/10W						
3363	1-208-766-11	RES, CHIP	220	0.50%	1/10W						
3364	1-208-769-11		300	0.50%	1/10W						
3370	1-216-295-91										
3375	1-216-041-00		470	5%	1/10W						
3376	1-216-071-00		8.2K	5%	1/10W						
3377	1-216-073-00	RES, CHIP	10K	5%	1/10W						
3378	1-216-053-00		1.5K	5%	1/10W						
3379	1-216-077-00		15K	5%	1/10W						
3380	1-216-295-91	,									
3381	1-216-295-91										
3382	1-216-057-00	RES, CHIP	2.2K	5%	1/10W						
23383	1-216-025-91	RES, CHIP	100	5%	1/10W						
3384	1-216-033-00	RES, CHIP	220	5%	1/10W						
3385	1-216-109-00	RES, CHIP	330K	5%	1/10W						
3387	1-216-295-91	SHORT									
		01105-									
3388	1-216-295-91										
	1-216-295-91										
,	32XBR250/36	• ,									
3393	1-216-025-91		100	5%	1/10W						
		(BR250 only)									



REF.NO.	PART NO.	DESCRIPTION	REMARK
UY			

MAIN SCHEMATIC (FOR UY PIP COMPONENTS SEE PAGE 119)

- * A-1394-938-A UY BOARD, COMPLETE (KV-32FS10/34FV10/36FS10 only)
- * A-1394-943-A UY BOARD, COMPLETE (KV-32FV15/36FV15 only)
- * A-1394-944-A UY BOARD, COMPLETE (KV-34FV15/34FV15C/34FV15K/34FV15T/38FV15K only)

CAPACITOR

C201 C202	1-128-551-11 1-128-551-11	ELECT ELECT	22μF 22μF	20% 20%	25V 25V
C203	1-128-551-11	ELECT	22µF	20%	25V
C204	1-126-960-11	ELECT	1µF	20%	50V
C205	1-126-960-11	ELECT	1μF	20%	50V
			•		
C231	1-163-021-91	CERAMIC	0.01µF	10%	50V
C232	1-126-933-11	ELECT	100µF	20%	16V
C233	1-126-933-11	ELECT	100µF	20%	16V
C234	1-126-960-11	ELECT	1μF	20%	50V
C235	1-126-960-11	ELECT	1μF	20%	50V
0000	4 400 000 44	FLECT	400F	2007	40\/
C236	1-126-933-11	ELECT	100μF	20%	16V
C237	1-126-9600-11		1μF	20%	50V
C238	1-126-960-11	ELECT	1μF	20%	50V
C241	1-126-941-11	ELECT	470µF	20%	25V
C242	1-126-959-11	ELECT	0.47µF	20%	50V
C243	1-126-959-11	ELECT	0.47µF	20%	50V
C244	1-126-959-11	ELECT	0.47µF	20%	50V
C245	1-126-959-11	ELECT	0.47µF	20%	50V
C264	1-164-004-11	CERAMIC	0.1µF	10%	25V
C268	1-163-021-91	CERAMIC	0.01µF	10%	50V
0200		02.0.000	0.0.1	.070	
C269	1-163-021-91	CERAMIC	0.01µF	10%	50V
C272	1-163-231-11	CERAMIC	15pF	5%	50V
C273	1-128-551-11	ELECT	22µF	20%	25V
C277	1-128-551-11	ELECT	22µF	20%	25V
C278	1-128-551-11	ELECT	22µF	20%	25V
(KV-32	2FV15/36FV15/	34FV15/34FV15C/34F	V15K/34FV15	T/38FV15k	(only)
C279	1-163-021-91	CERAMIC	0.01µF	10%	50V
C281	1-103-021-91	ELECT	0.01μF	20%	16V
C284	1-126-933-11	ELECT	470μF	20%	25V
C286	1-120-941-11	CERAMIC	470μF 0.0022μF	10%	50V
C287	1-164-161-11	CERAMIC	0.0022μF	10%	50V
G201	1-104-101-11	CERAIVIIC	0.0022μΓ	1076	30 V
C1051	1-126-964-11	ELECT	10μF	20%	50V
C1053	1-104-665-11	ELECT	100µF	20%	25V
C1201	1-163-809-11	CERAMIC	0.047µF	10%	25V
C1202	1-163-021-91	CERAMIC	0.01µF	10%	50V
C1203	1-126-960-11	ELECT	1µF	20%	50V
04004	4 400 000 44	CEDAMIC	0.047:-	400/	051,
C1204	1-163-809-11	CERAMIC	0.047µF	10%	25V
C1209	1-163-259-91	CERAMIC	220pF	5%	50V
C1210	1-163-259-91	CERAMIC	220pF	5%	50V
C1211	1-126-933-11	ELECT	100µF	20%	16V
C1212	1-126-933-11	ELECT	100µF	20%	16V
					_

REF.NO.	PART NO.	DESCRIPTION		<u>REI</u>	<u>MARK</u>
C1213	1-126-941-11	ELECT	470µF	20%	25V
C1214	1-163-021-91	CERAMIC	0.01µF	10%	50V
C1215	1-126-960-11	ELECT	1μF	20%	50V
C2000	1-126-941-11	ELECT	470µF	20%	25V
C2002	1-126-933-11	ELECT	100µF	20%	16V
02002	20 000			2070	
C2007	1-104-665-11	ELECT	100µF	20%	10V
C2008	1-163-038-91	CERAMIC	0.1µF		25V
C2012	1-163-021-91	CERAMIC	0.01µF	10%	50V
C2015	1-163-021-91	CERAMIC	0.01µF	10%	50V
C2045	1-163-237-11	CERAMIC	27pF	5%	50V
C2047	1-126-961-11	ELECT	2.2µF	20%	50V
C2048	1-126-964-11	ELECT	10μF	20%	50V
C2049	1-104-664-11	ELECT	47μF	20%	16V
C2056	1-163-231-11	CERAMIC	15pF	5%	50V
C2060	1-163-031-11	CERAMIC	0.01µF		50V
C2062	1-104-664-11	ELECT	47µF	20%	16V
C2096	1-163-231-11	CERAMIC	15pF	5%	50V
C2097	1-163-231-11	CERAMIC	15pF	5%	50V
C2201	1-126-965-11	ELECT	22μF	20%	50V
C2202	1-126-933-11	ELECT	100µF	20%	16V
		-			
C2203	1-163-021-91	CERAMIC	0.01µF	10%	50V
C3556	1-163-038-91	CERAMIC	0.1µF		25V
C3557	1-163-021-91	CERAMIC	0.01µF	10%	50V
C3558	1-126-964-11	ELECT	10µF	20%	50V
C3559	1-163-038-91	CERAMIC	0.1µF		25V
C3560	1-163-038-91	CERAMIC	0.1µF		25V
				000/	
C3561	1-126-964-11	ELECT	10μF	20%	50V
C3562	1-163-038-91	CERAMIC	0.1µF		25V
C3563	1-163-038-91	CERAMIC	0.1µF		25V
C3564	1-163-038-91	CERAMIC	0.1µF		25V
C3565	1-163-038-91	CERAMIC	0.1µF		25V
C3566	1-126-964-11	ELECT	10μF	20%	50V
C3567	1-163-021-91	CERAMIC	0.01μF	10%	50V
C3568	1-163-021-91	CERAMIC	0.01μF	10%	50V
C3569	1-103-021-91	ELECT	0.01μF 10μF	20%	50V
J0003	1 120 304-11	LLLOI	ιομι	20/0	JU V
C3570	1-126-964-11	ELECT	10μF	20%	50V
C3571	1-163-021-91	CERAMIC	0.01µF	10%	50V
C3573	1-163-037-11	CERAMIC	0.022µF	10%	50V
C3574	1-163-021-91		0.01µF	10%	50V
C3575	1-126-964-11	ELECT	10μF	20%	50V
COETC	1 162 004 04	CEDAMIC	0.01	100/	EOV /
C3576	1-163-021-91	-	0.01µF	10%	50V
C3577	1-126-964-11	ELECT	10µF	20%	50V
C3578	1-163-021-91		0.01µF	10%	50V
C3579	1-104-664-11	ELECT	47μF	20%	16V
	CONNECT	OR			
	<u> </u>				

(KV-32FV15/36FV15/34FV15/34FV15C/34FV15K/34FV15T/38FV15K only) CN262 1-691-632-21 CONNECTOR, BOARD TO BOARD CN263 1-691-632-21 CONNECTOR, BOARD TO BOARD 15P (KV-32FV15/36FV15/34FV15/34FV15C/34FV15K/34FV15T/38FV15K only) CN264 1-691-632-21 CONNECTOR, BOARD TO BOARD CN265 1-564-513-11 PLUG, CONNECTOR 10P

COMPLETE PARTS LISTING

REF.NO	. PART NO.	DESCRIPTION	REMARK REF	<u>NO.</u>	PART NO.
	DIODE		J90)2	1-764-143-11
			1 1)3	1-764-143-11
D201	8-719-032-47	DIODE MTZJ-T-9110	J90		1-764-143-11
D202	8-719-032-47	DIODE MTZJ-T-9110	I 1)5	1-764-143-11
		DIODE MTZJ-T-9110	(H	(V-32	:FV15/36FV15/
D204	8-719-032-47	DIODE MTZJ-T-9110			
D205	8-719-032-47	DIODE MTZJ-T-9110			CHIP CON
		DIODE MTZJ-T-9110			<u> </u>
D232		DIODE MTZJ-T-9110	JR ²	1001	1-216-295-91
D233		DIODE MTZJ-T-9110	JR ²	1002	1-216-295-91
		DIODE MTZJ-T-9110	JR ²	1003	1-216-295-91
D235	8-719-032-47	DIODE MTZJ-T-9110			1-216-295-91
D236	8-719-032-47	DIODE MTZJ-T-9110			1-216-295-91 2FS10/34FV10/
D237	8-719-032-47	DIODE MTZJ-T-9110	,		
D238	8-719-032-47	DIODE MTZJ-T-9110	JR [,]	1014	1-216-295-91
D239	8-719-032-47	DIODE MTZJ-T-9110	JR [,]	1015	1-216-295-91
D245	8-719-157-94	DIODE RD3.3SB	JR	1016	1-216-295-91
			JR	1017	1-216-295-91
		DIODE RD3.3SB	JR ²	1018	1-216-295-91
		DIODE RD3.3SB			
		DIODE RD3.3SB	JR [,]	1019	1-216-295-91
		DIODE RD3.3SB			1-216-295-91
D261	8-719-032-47	DIODE MTZJ-T-9110			1-216-295-91
2000	0.710.000.17	DIODE MIZZI I 0440			1-216-295-91
		DIODE MTZJ-T-9110	JR	1023	1-216-295-91
		DIODE MTZJ-T-9110 DIODE MTZJ-T-9110			
D911 D912		DIODE MTZJ-T-9110			0011
			5K/34FV15T/38FV15K only)		COIL
D.1051	0.740.070.04	DIODE MALL TV	L26	61	1-414-857-11
D1051		DIODE MA111-TX	L12		1-408-397-00
		DIODE MA111-TX	L12	202	1-408-397-00
		DIODE MTZJ-T-9110 DIODE MTZJ-T-9110	L20	004	1-414-856-11
		DIODE MTZJ-T-9110	L20	005	1-410-494-11
			L20	009	1-414-856-11
			L35		1-408-397-00
	<u>FILTER</u>		L35		1-408-397-00
FI 2001	1-239-847-11	FILTER, LOW PASS			
		FILTER, LOW PASS			TRANSIST
		FILTER, LOW PASS			1111111111111
			Q2	02	8-729-422-27
			Q2		8-729-422-27
	<u>IC</u>		Q2		8-729-216-22
			Q2		8-729-216-22
C261	8-752-066-69	IC CXA1845Q	Q2		8-729-422-27
		IC CXA1315M	Q2i	09	8-729-422-27
		IC NJM78M05DLA(TE1) (H	(V-32	FV15/36FV15/
IC3504	8-752-390-37	IC CXD2064Q-T6	,		
			Q2		8-729-422-27
			Q2		8-729-422-27
	<u>JACK</u>		Q2		8-729-422-27
			Q23	31	8-729-422-27
J231		TERMINAL BLOCK, S 3	1 ()2	33	8-729-422-27
J232			βP Ω2 [.]		8-729-422-27
J233		,	^{(P} 02		8-729-422-27
J234			P Q2		8-729-422-27
J236	1-114-308-11	JACK BLOCK, PIN	Q2		8-729-216-22

REF.NO.	PART NO.	DESCRIPTION	REMARK
J902	1-764-143-11	JACK	3P
J903	1-764-143-11	JACK	3P
J904	1-764-143-11	JACK	3P
J905	1-764-143-11	JACK	3P
(KV-32	2FV15/36FV15/	34FV15/34FV15C/34F	FV15K/34FV15T/38FV15K only)

NDUCTOR |

SHORT SHORT

JR1003	1-216-295-91	SHORT
JR1004	1-216-295-91	SHORT
JR1009	1-216-295-91	SHORT
(KV-32	2FS10/34FV10/	(36FS10 only)
JR1014	1-216-295-91	SHORT
JR1015	1-216-295-91	SHORT
JR1016	1-216-295-91	SHORT
JR1017	1-216-295-91	SHORT
JR1018	1-216-295-91	SHORT
JR1019	1-216-295-91	SHORT
JR1020	1-216-295-91	SHORT
JR1021	1-216-295-91	SHORT
JR1022	1-216-295-91	SHORT
JR1023	1-216-295-91	SHORT

L261	1-414-857-11	INDUCTOR	100µH
L1201	1-408-397-00	INDUCTOR	1μH
L1202	1-408-397-00	INDUCTOR	1μH
L2004	1-414-856-11	INDUCTOR	10µH
L2005	1-410-494-11	INDUCTOR	1mH
L2009	1-414-856-11	INDUCTOR	10µH
L3581	1-408-397-00	INDUCTOR	1μH
L3582	1-408-397-00	INDUCTOR	1μH

TOR

Q202	8-729-422-27	TRANSISTOR 2SD601A-Q
Q203	8-729-422-27	TRANSISTOR 2SD601A-Q
Q205	8-729-216-22	TRANSISTOR 2SA1162-G
Q206	8-729-216-22	TRANSISTOR 2SA1162-G
Q208	8-729-422-27	TRANSISTOR 2SD601A-Q
Q209	8-729-422-27	TRANSISTOR 2SD601A-Q
(KV-3	32FV15/36FV15/	34FV15/34FV15C/34FV15K/34FV15T/38FV15K only)

Q210	8-729-422-27	TRANSISTOR	2SD601A-Q
Q211	8-729-422-27	TRANSISTOR	2SD601A-Q
Q212	8-729-422-27	TRANSISTOR	2SD601A-Q
Q231	8-729-422-27	TRANSISTOR	2SD601A-Q
Q233	8-729-422-27	TRANSISTOR	2SD601A-Q
Q234	8-729-422-27	TRANSISTOR	2SD601A-Q
Q235	8-729-422-27	TRANSISTOR	2SD601A-Q
Q236	8-729-422-27	TRANSISTOR	2SD601A-Q
Q237	8-729-216-22	TRANSISTOR	2SA1162-G



REF.N	O. PART NO.	DESCRIPT	ION	<u>RE</u>	MARK	REF.NO.	PART NO.	DESCRIPTION		REN	<u>IARK</u>
Q238	8-729-216-22 1	RANSISTOR 2S	A1162-G			R222	1-216-049-91	RES, CHIP	1K	5%	1/10W
Q239		RANSISTOR 25				I I	1-208-776-11	,	560	0.50%	1/10W
2246		RANSISTOR 25					1-216-025-91		100	5%	1/10W
2262	8-729-216-22 1	RANSISTOR 25	A1162-G				1-216-025-91		100	5%	1/10W
						1 1	1-216-049-91	,	1K	5%	1/10W
Q263		RANSISTOR 2S				1 1	1-216-049-91		1K	5%	1/10W
Q264		RANSISTOR 2S				(KV-32	FV15/36FV153	34FV15/34FV15C/34F	V15K/34FV1	5T/38FV15	(only)
Q265		RANSISTOR 25									
Q267		RANSISTOR 2S					1-216-089-91		47K	5%	1/10W
	8-729-216-22 7			.E = T.(0.0E)			1-216-022-00		75	5%	1/10W
(KV-32	FS10/34FV10/36FS	310/34FV15/34FV	15C/34FV15K/34	4FV15T/38FV	15K only)		1-216-022-00	,	75	5%	1/10W
24004	0.700.040.00	DANIOIOTOD OC	11100 0				1-216-065-91		4.7K	5%	1/10W
	8-729-216-22 1					R234	1-216-022-00	RES, CHIP	75	5%	1/10W
	8-729-422-27 1										
	8-729-422-27 T						1-216-113-00		470K	5%	1/10W
	8-729-216-22 1						1-216-113-00		470K	5%	1/10W
	8-729-422-27 T			.E = T.(0.0E)			1-216-022-00	,	75	5%	1/10W
(KV-32	FS10/34FV10/36FS	310/34FV15/34FV	15C/34FV15K/34	4FV15T/38FV	15K only)		1-216-113-00		470K	5%	1/10W
	0 700 /00 07 -		D0044 C			R239	1-216-113-00	RES, CHIP	470K	5%	1/10W
	8-729-422-27 T							DEC 0:::-			
	8-729-216-22 T						1-216-113-00		470K	5%	1/10W
	8-729-216-22 1						1-216-049-91		1K	5%	1/10W
	8-729-216-22						1-216-113-00	,	470K	5%	1/10W
22004	8-729-216-22 1	RANSISTOR 2S	A1162-G			R244	1-216-049-91	RES, CHIP	1K	5%	1/10W
2005	8-729-422-27 T	RANSISTOR 25	D601A-O			R245	1-216-022-00	DES CHID	75	5%	1/10W
	8-729-422-27 T						1-216-022-00		470K	5%	1/10W
22007	8-729-422-27 T						1-216-113-00		470K	5%	1/10W
22008	8-729-422-27 T						1-216-113-00		470K	5%	1/10W
22009	8-729-422-27						1-216-065-91		4.7K	5% 5%	1/10W
32000	0 120 422 21	1011010101010	.D001/1 Q			1,249	1-210-003-91	NES, GHIF	4.71	370	1/1000
22010	8-729-422-27 T	RANSISTOR 2S	D601A-Q			R250	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
22014	8-729-422-27 T	RANSISTOR 2S	D601A-Q			R251	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
22018	8-729-216-22 7	RANSISTOR 2S	A1162-G			R252	1-216-049-91	RES, CHIP	1K	5%	1/10W
22019	8-729-422-27 T	RANSISTOR 2S	D601A-Q			R254	1-216-049-91	RES, CHIP	1K	5%	1/10W
						R256	1-216-295-91	SHORT			
						R257	1-216-049-91	RES CHIP	1K	5%	1/10W
	<u>RESISTOR</u>					1	1-216-025-91		100	5%	1/10W
							1-216-049-91	•	1K	5%	1/10W
R201	1-216-022-00 F	RES, CHIP	75	5%	1/10W		1-216-025-91	,	100	5%	1/10W
R202	1-216-022-00 F	RES, CHIP	75	5%	1/10W		1-216-025-91	,	100	5%	1/10W
R203	1-216-022-00 F	RES, CHIP	75	5%	1/10W	11201	1 210 020 01	IXEO, OTHI	100	070	171011
R204	1-216-113-00 F	RES, CHIP	470K	5%	1/10W	R262	1-216-067-00	RES CHIP	5.6K	5%	1/10W
R205	1-216-113-00 F	RES, CHIP	470K	5%	1/10W		1-216-025-91		100	5%	1/10W
							1-216-023-91		5.6K	5%	1/10W
R206	1-216-295-91	HORT					1-216-007-00		100	5% 5%	1/10W
R207	1-216-295-91					1	1-216-025-91		100	5% 5%	1/10W
R208	1-216-295-91	HORT				1,200	1-210-025-91	KLO, OTHE	100	3/0	1/1000
		250 01115	477.	FC'	4/400	R267	1-216-025-91	RES, CHIP	100	5%	1/10W
R209	1-216-089-91 F		47K	5%	1/10W	R268	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R210	1-216-081-00 F		22K	5%	1/10W	R269	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
R211	1-216-089-91 F		47K	5%	1/10W	R270	1-216-049-91	RES, CHIP	1K	5%	1/10W
212	1-216-081-00 F		22K	5%	1/10W	R271	1-216-067-00	RES, CHIP	5.6K	5%	1/10W
213	1-216-089-91 F		47K	5%	1/10W						
(KV-3	2FV15/36FV1534	-V15/34FV15C/3	4FV15K/34FV	15T/38FV15h	(only)	R272	1-216-025-91	RES, CHIP	100	5%	1/10W
						1	1-216-067-00		5.6K	5%	1/10W
R214	1-216-081-00 F		22K	5%	1/10W	I	1-216-049-91		1K	5%	1/10W
R218	1-208-774-11 F		470	0.50%	1/10W		1-216-025-91		100	5%	1/10W
R219	1-216-049-91 F		1K	5%	1/10W		1-216-295-91		-		
R220	1-208-776-11 F	RES, CHIP	560	0.50%	1/10W	,	0 _00 01				
R221	1-208-774-11 F	RES, CHIP	470	0.50%	1/10W	R278	1-216-067-00	RES. CHIP	5.6K	5%	1/10W
(KV-3	2FV15/36FV1534		4FV15K/34FV1				1-216-007-00		100	5%	1/10W
, -					• • •		1-216-023-91		5.6K	5% 5%	1/10W
						. R/AU	1-7 ID-UD/-UU	DES LOW			1/11

COMPLETE PARTS LISTING UY

	O. PART NO.	DESCRIP	TION	RE	MARK	REF.NO.	PART NO.	DESCRIPTION		REMA	ARK
R281	1-216-025-91 RE	ES, CHIP	100	5%	1/10W	R1227	1-216-073-00	RES, CHIP	10K	5%	1/10W
R282	1-216-025-91 RE	ES, CHIP	100	5%	1/10W	R1228	1-208-774-11	RES, CHIP	470	0.50%	1/10W
R283	1-216-049-91 RE	S, CHIP	1K	5%	1/10W	R1229	1-216-121-91	RES, CHIP	1M	5%	1/10W
	1-216-033-00 RE		220	5%	1/10W	R1230	1-216-073-00	RES, CHIP	10K	5%	1/10W
R285	1-216-033-00 RE	*	220	5%	1/10W	R1231	1-216-295-91				
R286	1-216-067-00 RE	ES. CHIP	5.6K	5%	1/10W	R1233	1-216-097-91	RES, CHIP	100K	5%	1/10W
R287	1-216-025-91 RE	•	100	5%	1/10W	R1234	1-216-091-00	RES, CHIP	56K	5%	1/10W
	1-216-067-00 RE		5.6K	5%	1/10W	R1235	1-216-013-00		33	5%	1/10W
	1-216-067-00 RE		5.6K	5%	1/10W	R1236	1-216-097-91		100K	5%	1/10W
R290	1-216-025-91 RE		100	5%	1/10W	R1237	1-216-089-91		47K	5%	1/10W
	FV15/36FV1534F	*								070	
						R1238	1-216-057-00		2.2K	5%	1/10W
R291	1-216-067-00 RE	ES, CHIP	5.6K	5%	1/10W	R1239	1-208-774-11		470	0.50%	1/10W
R292	1-216-295-91 SH	HORT				R1242	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R293	1-216-025-91 RE	ES, CHIP	100	5%	1/10W	R1243	1-216-065-91	RES, CHIP	4.7K	5%	1/10W
R294	1-216-077-00 RE	ES, CHIP	15K	5%	1/10W	R1244	1-216-049-91	RES, CHIP	1K	5%	1/10W
R295	1-216-025-91 RE	S, CHIP	100	5%	1/10W						
						R1245	1-216-049-91	RES, CHIP	1K	5%	1/10W
R296	1-216-025-91 RE	ES, CHIP	100	5%	1/10W	R1260	1-216-295-91	SHORT			
R297	1-216-025-91 RE	S, CHIP	100	5%	1/10W	R1263	1-216-295-91	SHORT			
R298	1-216-295-91 SH	IORT				R1264	1-216-049-91	RES, CHIP	1K	5%	1/10W
R300	1-216-025-91 RE	ES, CHIP	100	5%	1/10W	R1265	1-216-001-00	RES, CHIP	10	5%	1/10W
R301	1-216-049-91 RE	•	1K	5%	1/10W						
R302	1-216-295-91 SH	HORT				R1266	1-216-041-00	RES, CHIP	470	5%	1/10W
								34FV15/34FV15C/34FV	/15K/34FV15T	738FV15K	only)
R902	1-249-405-11 CA	ARBON	100	5%	1/4W	R1267	1-216-025-91	RES, CHIP	100	5%	1/10W
R921	1-249-405-11 CA		100	5%	1/4W	R1268	1-216-049-91		1K	5%	1/10W
R923	1-249-405-11 CA		100	5%	1/4W		1-216-041-00		470	5%	1/10W
R925	1-249-405-11 CA		100	5%	1/4W			34FV15/34FV15C/34F\			
	FV15/36FV1534F				I .	`					• /
D000	1 010 010 01 PF	-0.01115	417	5 0/	4/40)4/	R1270	1-216-049-91		1K	5%	1/10W
	1-216-049-91 RE		1K	5%	1/10W	R1271	1-216-001-00		10	5%	1/10W
	1-216-073-00 RE	•	10K	5%	1/10W	R1272	1-216-655-11	,	1.5K	0.50%	1/10W
	1-216-073-00 RE		10K	5%	1/10W	R1273	1-208-788-11	·	1.8K	0.50%	1/10W
	1-216-025-91 RE		100	5%	1/10W	R1274	1-216-049-91	RES, CHIP	1K	5%	1/10W
R1058	1-216-025-91 RE	ES, CHIP	100	5%	1/10W						
						R1276	1-216-049-91		1K	5%	1/10W
	1-216-065-91 RE	ES, CHIP	4.7K	5%	1/10W	R1277	1-216-025-91		100	5%	1/10W
R1060	1-216-073-00 RE										
			10K	5%	1/10W	,		34FV15/34FV15C/34F\			• /
R1062	1-216-025-91 RE				1/10W 1/10W	R1279	1-216-025-91	RES, CHIP	/15K/34FV15T 100	/38FV15K 5%	only) 1/10W
R1063	1-216-073-00 RE	ES, CHIP ES, CHIP	10K	5%		R1279		RES, CHIP			• /
R1063		ES, CHIP ES, CHIP	10K 100	5% 5%	1/10W	R1279	1-216-025-91 1-216-295-91	RES, CHIP SHORT			• /
R1063 R1064	1-216-073-00 RE 1-216-073-00 RE	ES, CHIP ES, CHIP ES, CHIP	10K 100 10K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W	R1279 R1284	1-216-025-91 1-216-295-91	RES, CHIP SHORT SHORT			• /
R1063 R1064 R1065	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE	ES, CHIP ES, CHIP ES, CHIP	10K 100 10K 10K 10O	5% 5% 5% 5%	1/10W 1/10W 1/10W	R1279 R1284 R1287	1-216-025-91 1-216-295-91 1-216-295-91	RES, CHIP SHORT SHORT SHORT			• /
R1063 R1064 R1065 R1070	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP	10K 100 10K 10K	5% 5% 5% 5%	1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91	RES, CHIP SHORT SHORT SHORT SHORT			• /
R1063 R1064 R1065 R1070 R1205	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 RE 1-216-295-91 SH	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT	10K 100 10K 10K 10O	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT			• /
R1063 R1064 R1065 R1070 R1205 R1207	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP	10K 100 10K 10K 10O	5% 5% 5% 5%	1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT			• /
R1063 R1064 R1065 R1070 R1205 R1207 R1209	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 SH 1-208-774-11 RE 1-216-295-91 SH	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT	10K 100 10K 10K 10O	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT	100	5%	1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 SH 1-208-774-11 RE 1-216-295-91 SH 1-216-295-91 SH	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT HORT	10K 100 10K 10K 10O 100 470	5% 5% 5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP	100 1K	5%	1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 SH 1-208-774-11 RE 1-216-295-91 SH 1-216-295-91 SH 1-208-774-11 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT HORT HORT HORT ES, CHIP	10K 100 10K 10K 100 100 470	5% 5% 5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP	100 1K 1K	5% 5% 5%	1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 SH 1-208-774-11 RE 1-216-295-91 SH 1-208-774-11 RE 1-216-057-00 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT HORT ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP	10K 100 10K 10K 100 100 470 470 2.2K	5% 5% 5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP RES, CHIP	100 1K 1K 1K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216 R1217	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-095-00 RE 1-216-091-00 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT HORT ES, CHIP	10K 100 10K 10K 100 100 470	5% 5% 5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1300	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-049-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP RES, CHIP RES, CHIP	100 1K 1K 1K 1K 1K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216 R1217	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 SH 1-208-774-11 RE 1-216-295-91 SH 1-208-774-11 RE 1-216-057-00 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT HORT ES, CHIP	10K 100 10K 10K 100 100 470 470 2.2K	5% 5% 5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP RES, CHIP RES, CHIP	100 1K 1K 1K 1K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216 R1217 R1218	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-095-00 RE 1-216-091-00 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT HORT ES, CHIP ES, CHIP HORT HORT ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT	10K 100 10K 10K 100 100 470 470 2.2K	5% 5% 5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1300	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-049-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP RES, CHIP RES, CHIP RES, CHIP	100 1K 1K 1K 1K 1K	5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216 R1217 R1218	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-097-00 RE 1-216-091-00 RE 1-216-295-91 SH	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT HORT ES, CHIP	10K 100 10K 10K 100 100 470 470 2.2K 56K	5% 5% 5% 5% 5% 0.50% 0.50% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1300 R1304	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-049-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP RES, CHIP RES, CHIP RES, CHIP RES, CHIP	100 1K 1K 1K 1K 1K 470	5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216 R1217 R1218 R1219 R1220	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-097-00 RE 1-216-073-00 RE 1-216-073-00 RE 1-216-073-00 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT HORT ES, CHIP	10K 100 10K 10K 100 100 470 470 2.2K 56K	5% 5% 5% 5% 5% 0.50% 0.50% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1300 R1304	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-041-00 1-208-776-11 1-216-025-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP RES, CHIP RES, CHIP RES, CHIP RES, CHIP RES, CHIP	100 1K 1K 1K 1K 1K 470 560	5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216 R1217 R1218 R1219 R1220 R1221	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-097-00 RE 1-216-073-00 RE 1-216-073-00 RE 1-216-073-00 RE 1-216-073-00 RE 1-216-073-00 RE 1-216-073-00 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT ES, CHIP	10K 100 10K 10K 100 100 470 470 2.2K 56K	5% 5% 5% 5% 5% 0.50% 0.50% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1300 R1304 R1305 R1306 R1307	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-041-00 1-208-776-11 1-216-025-91 1-216-041-00	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP	100 1K 1K 1K 1K 1K 470 560 100 470	5% 5% 5% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216 R1217 R1218 R1219 R1220 R1221 R1220 R1221	1-216-073-00 RE 1-216-073-00 RE 1-216-025-91 RE 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-097-00 RE 1-216-073-00 RE 1-216-073-00 RE 1-216-073-00 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT ES, CHIP	10K 100 10K 10K 100 100 470 470 2.2K 56K	5% 5% 5% 5% 5% 0.50% 0.50% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1300 R1304 R1305 R1306	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-041-00 1-208-776-11 1-216-025-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP	100 1K 1K 1K 1K 1K 470 560 100	5% 5% 5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216 R1217 R1218 R1220 R1221 R1222 R1223	1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 RE 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-097-00 RE 1-216-073-00 RE 1-216-013-00 RE 1-216-073-00 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT ES, CHIP	10K 100 10K 10K 100 100 470 470 2.2K 56K 10K 33 1M 10K 100K	5% 5% 5% 5% 5% 0.50% 0.50% 5% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1300 R1304 R1305 R1306 R1307 R1308 R1309	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-041-00 1-208-776-11 1-216-025-91 1-216-041-00 1-208-776-11 1-216-025-91	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP	1K 1K 1K 1K 470 560 100 470 560 100	5% 5% 5% 5% 5% 5% 5% 0.50% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
R1063 R1064 R1065 R1070 R1205 R1207 R1209 R1210 R1215 R1216 R1217 R1218 R1220 R1221 R1222 R1223	1-216-073-00 RE 1-216-025-91 RE 1-216-025-91 RE 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-295-91 SH 1-216-057-00 RE 1-216-073-00 RE 1-216-073-00 RE 1-216-073-00 RE 1-216-073-00 RE 1-216-073-00 RE	ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP ES, CHIP HORT ES, CHIP HORT ES, CHIP	10K 100 10K 10K 100 100 470 470 2.2K 56K 10K 33 1M 10K	5% 5% 5% 5% 5% 0.50% 0.50% 5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	R1279 R1284 R1287 R1288 R1289 R1290 R1291 R1292 R1293 R1294 R1295 R1300 R1304 R1305 R1306 R1307 R1308 R1309	1-216-025-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-295-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-049-91 1-216-041-00 1-208-776-11 1-216-041-00 1-208-776-11	RES, CHIP SHORT SHORT SHORT SHORT SHORT SHORT SHORT SHORT RES, CHIP RES, CHIP	100 1K 1K 1K 1K 1K 470 560 100 470 560	5% 5% 5% 5% 5% 5% 5% 0.50%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W



1015 1-216-235-91 SHORT 1021 1-216-038-100 RES, CHIP 22K 5% 1/10W 1026 1-216-038-91 RES, CHIP 1K 5% 1/10W 1026 1-216-038-91 RES, CHIP 1K 5% 1/10W 1026 1-216-038-91 RES, CHIP 560 5% 1/10W 1027 1-216-038-91 RES, CHIP 560 5% 1/10W 1028 1-216-038-90 RES, CHIP 560 5% 1/10W 1028 1-216-038-90 RES, CHIP 22K 5% 1/10W 1031 1-216-038-90 RES, CHIP 22K 5% 1/10W 1032 1-216-038-90 RES, CHIP 22K 5% 1/10W 1033 1-208-790-11 RES, CHIP 22K 5% 1/10W 1035 1-216-038-90 RES, CHIP 22K 5% 1/10W 1036 1-208-790-11 RES, CHIP 1K 5% 1/10W 1036 1-208-790-11 RES, CHIP 1LX 0.05% 1/10W 1036 1-208-775-11 RES, CHIP 510 0.05% 1/10W 1036 1-208-775-11 RES, CHIP 500 0.05% 1/10W 1036 1-208-775-11 RES, CHIP 500 0.05% 1/10W 1036 1-208-775-11 RES, CHIP 500 0.05% 1/10W 1040 1-216-037-90 RES, CHIP 22X 5% 1/10W 1041 1-216-037-90 RES, CHIP 22X 5% 1/10W 1042 1-216-037-90 RES, CHIP 33K 5% 1/10W 1043 1-216-038-90 RES, CHIP 33K 5% 1/10W 1044 1-216-038-90 RES, CHIP 33K 5% 1/10W 1045 1-216-038-90 RES, CHIP 33K 5% 1/10W 1046 1-216-038-90 RES, CHIP 33K 5% 1/10W 1047 1-216-038-90 RES, CHIP 33K 5% 1/10W 1048 1-216-038-90 RES, CHIP 33K 5% 1/10W 1049 1-216-038-90 RES, CHIP 35 6% 1/10W 1051 1-216-038-90 RES, CHIP 33K 5% 1/10W 1051 1-216-038-90 RES, CHIP 33K 5% 1/10W 1051 1-216-038-90 RES, CHIP 35 6% 1/10W 1051 1-216-038-90 RES, CHIP 33K 5% 1/10W 1051 1-216-038-90 RES, CHIP 33K 5% 1/10W 1051 1-216-038-90 RES, CHIP 33K 5% 1/10W 1051 1-21	REF.N	O. PART NO.	DES	CRIPTION	RI	EMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
121 124				<u> </u>	<u>M</u>		1.21.110.		<u> </u>	KEMPAKK
122				22K	50/	1/10\\\				
1286 1286-04949 RES, CHIP 1K 5% 1/10W										
12-16-043-91 RES. CHIP 550 5% 1/10W										
1216-043-91 RES. CHIP 550 5% 1/10W										
131 12-16-381-00 RES. CHIP 20K 5% 1/10W	2029	1-216-043-91	RES, CHIP	360	5%	1/1000				
131 12-16-381-00 RES. CHIP 20K 5% 1/10W	2030	1-216-043-91	RES, CHIP	560	5%	1/10W				
1032 12-16-067-00 RES, CHIP 2.2K 5/6 1/10W 3034 1-208-79-01 RES, CHIP 2.2K 5/6 1/10W 3035 1-216-089-01 RES, CHIP 2.2K 5/6 1/10W 3035 1-216-089-01 RES, CHIP 1.2K 0.50% 1/10W 3036 1-208-77-11 RES, CHIP 1.2K 0.50% 1/10W 3037 1-208-78-11 RES, CHIP 1.2K 0.50% 1/10W 3031 1-208-78-11 RES, CHIP 1.2K 0.50% 1/10W 3031 1-208-78-11 RES, CHIP 1.2K 0.50% 1/10W 3031 1-208-78-11 RES, CHIP 1.2K 0.50% 1/10W 41-16-067-00 RES, CHIP 2.2K 5/6 1/10W 41-12-16-067-00 RES, CHIP 1.2K 5/6 1/10W 41-12-067-00 RES, CHIP 2.2K 5/6 1/10W 41-12-067-00 RES, CHIP 2.2	2031									
333 1-208-790-11 RES, CHIP 2.2 K 5.6 1710W 335 1-216-04991 RES, CHIP 510 0.50% 1710W 336 1-208-775-11 RES, CHIP 510 0.50% 1710W 337 1-208-786-11 RES, CHIP 510 0.50% 1710W 338 1-216-047-91 RES, CHIP 510 0.50% 1710W 339 1-216-047-91 RES, CHIP 50 0.50% 1710W 339 1-216-047-91 RES, CHIP 50 0.50% 1710W 340 1-216-047-91 RES, CHIP 52 K 5% 1710W 340 1-216-047-91 RES, CHIP 52 K 5% 1710W 341 1-216-057-00 RES, CHIP 52 K 5% 1710W 342 1-216-057-00 RES, CHIP 52 K 5% 1710W 343 1-216-058-00 RES, CHIP 2.2 K 5% 1710W 344 1-208-790-11 RES, CHIP 2.2 K 5% 1710W 345 1-216-049-91 RES, CHIP 2.2 K 5% 1710W 346 1-216-049-91 RES, CHIP 2.2 K 5% 1710W 347 1-216-085-00 RES, CHIP 2.2 K 5% 1710W 348 1-216-049-91 RES, CHIP 47 5% 1710W 349 1-216-049-91 RES, CHIP 47 5% 1710W 340 1-216-049-91 RES, CHIP 47 5% 1710W 340 1-216-049-91 RES, CHIP 47 5% 1710W 341 1-216-049-91 RES, CHIP 47 5% 1710W 340 1-216-049-91 RES, CHIP 47 5% 1710W 341 1-216-049-91 RES, CHIP 50 5% 1710W 341 1-216	2032									
1216-067-00 RES, CHIP 2.2K 5% 1/10W	2033									
036 1-208-775-11 RES, CHIP 12K 0.50% 1/10W 037 1-208-784-11 RES, CHIP 12K 0.50% 1/10W 038 1-208-762-11 RES, CHIP 150 0.50% 1/10W 040 1-216-057-00 RES, CHIP 22K 5% 1/10W 041 1-216-057-00 RES, CHIP 22K 5% 1/10W 042 1-216-057-00 RES, CHIP 22K 5% 1/10W 044 1-208-790-11 RES, CHIP 22K 0.50% 1/10W 044 1-208-790-11 RES, CHIP 22K 0.50% 1/10W 044 1-208-790-11 RES, CHIP 22K 0.50% 1/10W 045 1-216-085-00 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-00 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-01 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-01 RES, CHIP 22K 0.50% 1/10W 047 1-216-085-00 RES, CHIP 33K 5% 1/10W 047 1-216-085-00 RES, CHIP 33K 5% 1/10W 049 1-216-0991 RES, CHIP 1K 5% 1/10W 049 1-216-0991 RES, CHIP 1K 5% 1/10W 049 1-216-0991 RES, CHIP 1K 5% 1/10W 049 1-216-0991 RES, CHIP 30 1/10W 049 1-216-09991 RES, CHIP 30 1/	2034									
036 1-208-775-11 RES, CHIP 12K 0.50% 1/10W 037 1-208-784-11 RES, CHIP 12K 0.50% 1/10W 038 1-208-762-11 RES, CHIP 150 0.50% 1/10W 040 1-216-057-00 RES, CHIP 22K 5% 1/10W 041 1-216-057-00 RES, CHIP 22K 5% 1/10W 042 1-216-057-00 RES, CHIP 22K 5% 1/10W 044 1-208-790-11 RES, CHIP 22K 0.50% 1/10W 044 1-208-790-11 RES, CHIP 22K 0.50% 1/10W 044 1-208-790-11 RES, CHIP 22K 0.50% 1/10W 045 1-216-085-00 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-00 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-01 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-01 RES, CHIP 22K 0.50% 1/10W 047 1-216-085-00 RES, CHIP 33K 5% 1/10W 047 1-216-085-00 RES, CHIP 33K 5% 1/10W 049 1-216-0991 RES, CHIP 1K 5% 1/10W 049 1-216-0991 RES, CHIP 1K 5% 1/10W 049 1-216-0991 RES, CHIP 1K 5% 1/10W 049 1-216-0991 RES, CHIP 30 1/10W 049 1-216-09991 RES, CHIP 30 1/	0005	4 040 040 04	DE0 0111D	417	5 0/	4/4014/				
037 1-208-784-11 RES, CHIP 12K 0.50% 1/10W 039 1-208-764-11 RES, CHIP 150 0.50% 1/10W 040 1-216-047-91 RES, CHIP 820 5% 1/10W 041 1-216-047-91 RES, CHIP 820 5% 1/10W 041 1-216-047-91 RES, CHIP 820 5% 1/10W 041 1-216-047-91 RES, CHIP 820 5% 1/10W 042 1-216-070-00 RES, CHIP 820 5% 1/10W 043 1-216-085-00 RES, CHIP 30K 5% 1/10W 044 1-208-790-11 RES, CHIP 30K 5% 1/10W 044 1-208-790-11 RES, CHIP 30K 5% 1/10W 047 1-216-085-00 RES, CHIP 30K 5% 1/10W 048 1-216-049-91 RES, CHIP 10K 5% 1/10W 048 1-216-049-91 RES, CHIP 10K 5% 1/10W 055 1-216-049-91 RES, CHIP 10K 5% 1/10W 056 1-216-059-91 RES, CHIP 10K 5% 1/10W 056 1-216-059-91 RES, CHIP 10K 5% 1/10W 057 1-216-049-91 RES, CHIP 10W 058 1-216-049-91 RES, CHIP 10W 059 1-216										
338 1-280-762-11 RES, CHIP										
1-216-047-91 RES, CHIP 820 5% 1/10W										
040 1-216-057-00 RES, CHIP 22K 5% 1/10W 041 1-216-047-91 RES, CHIP 12K 5% 1/10W 042 1-216-075-00 RES, CHIP 12K 5% 1/10W 044 1-208-790-11 RES, CHIP 22K 0.50% 1/10W 044 1-208-790-11 RES, CHIP 22K 0.50% 1/10W 044 1-208-790-11 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-00 RES, CHIP 33K 5% 1/10W 046 1-216-095-00 RES, CHIP 33K 5% 1/10W 046 1-216-095-01 RES, CHIP 12K 5% 1/10W 046 1-216-095-01 RES, CHIP 14K 5% 1/10W 050 1-216-049-91 RES, CHIP 14K 5% 1/10W 050 1-216-05-91 RES, CHIP 14K 5% 1/10W 050 1-216-05-91 RES, CHIP 15% 1/10W 050 1-216-05-91 RES, CHIP 15% 1/10W 050 1-216-05-91 RES, CHIP 15% 1/10W 050 1-216-05-91 RES, CHIP 100 5% 1/10W 050 1-216-05-90 RES, CHIP 75 5% 1/10W 050 1-216-05-90 RES, CHIP 3.3K 5% 1/10W 050 1-216-05-90 RES, CHIP 3.3K 5% 1/10W 050 1-216-05-90 RES, CHIP 560 5% 1/10W 050 1-										
041 1-216-047-91 RES, CHIP 820 5% 1/10W 042 1-216-075-00 RES, CHIP 12K 5% 1/10W 043 1-216-085-00 RES, CHIP 22K 0.50% 1/10W 044 1-206-790-11 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-00 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-00 RES, CHIP 32K 5% 1/10W 047 1-216-085-00 RES, CHIP 3K 5% 1/10W 048 1-216-049-91 RES, CHIP 1K 5% 1/10W 049 1-216-047-91 RES, CHIP 47 5% 1/10W 050 1-216-049-91 RES, CHIP 47 5% 1/10W 051 1-216-049-91 RES, CHIP 1K 5% 1/10W 052 1-216-049-91 RES, CHIP 1K 5% 1/10W 053 1-216-049-91 RES, CHIP 1K 5% 1/10W 054 1-216-049-91 RES, CHIP 1K 5% 1/10W 055 1-216-047-91 RES, CHIP 1K 5% 1/10W 056 1-216-047-91 RES, CHIP 1K 5% 1/10W 057 1-216-049-91 RES, CHIP 33 0.50% 1/10W 070 1-216-05-91 RES, CHIP 47 0.50% 1/10W 071 1-216-05-91 RES, CHIP 560 5% 1/10W 072 1-216-043-91 RES, CHIP 1K 5% 1/10W 073 1-216-049-91 RES, CHIP 1K 5% 1/10W 074 1-216-025-00 RES, CHIP 1K 5% 1/10W 075 1-216-020 RES, CHIP 1C 5% 1/10W 076 1-216-020 RES, CHIP 1C 5% 1/10W 077 1-216-020 RES, CHIP 1C 5% 1/10W 078 1-216-020 RES, CHIP 1C 5% 1/10W 079 1-216-020 RES, CHIP 1C 5% 1/10W 070 1-216-020 RES, CHIP 1C 5% 1/10W 071 1-216-020 RES, CHIP 1C 5% 1/10W 072 1-216-020 RES, CHIP 1C 5% 1/10W 073 1-216-020 RES, CHIP 1C 5% 1/10W 074 1-216-027-00 RES, CHIP 1C 5% 1/10W 075 1-216-020 RES, CHIP 1C 5% 1/10W 076 1-216-020 RES, CHIP 1C 5% 1/10W 077 1-216-020 RES, CHIP 1C 5% 1/10W 078 1-216-020 RES, CHIP 1C 5% 1/10W 079 1-216-020 RES, CHIP 1C 5% 1/10W 079 1-216-020 RES, CHIP 1C 5% 1/10W 070 1-216-020 RES, CHIP 56 5% 1/10W	-000	1-210-047-51	IXLO, OI III	020	370	1/1000				
042 12-16-075-00 RES, CHIP 12K 5% 1/10W 044 1-216-085-00 RES, CHIP 33K 5% 1/10W 044 1-216-085-00 RES, CHIP 22K 0.50% 1/10W 046 1-216-075-00 RES, CHIP 30K 5% 1/10W 047 12-16-085-00 RES, CHIP 30K 5% 1/10W 048 1-216-049-91 RES, CHIP 30K 5% 1/10W 050 1-216-049-91 RES, CHIP 47 5% 1/10W 051 1-216-049-91 RES, CHIP 1K 5% 1/10W 055 1-216-049-91 RES, CHIP 1K 5% 1/10W 060 1-216-025-91 RES, CHIP 1K 5% 1/10W 060 1-216-025-91 RES, CHIP 30 5% 1/10W 060 1-216-0391 RES, CHIP 47 0.50% 1/10W 060 1-216-0391 RES, CHIP 47 0.50% 1/10W 070 1-216-0615-91 METAL 33 0.50% 1/10W 071 1-216-089-91 RES, CHIP 5.6K 5% 1/10W 072 1-216-089-91 RES, CHIP 5.6K 5% 1/10W 073 1-216-093-91 RES, CHIP 5.6K 5% 1/10W 074 1-216-023-91 RES, CHIP 5% 1/10W 075 1-216-039-91 RES, CHIP 50 5% 1/10W 076 1-216-039-91 RES, CHIP 50 5% 1/10W 077 1-216-049-91 RES, CHIP 50 5% 1/10W 078 1-216-039-91 RES, CHIP 50 5% 1/10W 079 1-216-039-91 RES, CHIP 50 5% 1/10W 070 1-216-040-91 RES, CHIP 50 5% 1/10W 071 1-216-039-91 RES, CHIP 50 5% 1/10W 072 1-216-039-91 RES, CHIP 50 5% 1/10W 073 1-216-049-90 RES, CHIP 50 5% 1/10W 074 1-216-020 RES, CHIP 50 5% 1/10W 075 1-216-020 RES, CHIP 50 5% 1/10W 076 1-216-020-90 RES, CHIP 55 5% 1/10W 077 1-216-020-90 RES, CHIP 55 5% 1/10W 078 1-216-020-90 RES, CHIP 55 5% 1/10W 079 1-216-020-90 RES, CHIP 55 5% 1/10W 079 1-216-020-90 RES, CHIP 55 5% 1/10W 070 1-216-020-90 RES, CHIP 55 5% 1/10W 070 1-216-020-90 RES, CHIP 56K 5% 1/10W 070 1-216-020-91 SHORT	2040									
043 1.216-085-00 RES, CHIP	2041						1			
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583 1-216-061-00 RES, CHIP	3527	1-216-033-00	RES, CHIP	220	5%	1/10W				
583 1-216-061-00 RES, CHIP	3582	1-216-033-00	RES, CHIP	220	5%	1/10W				
584 1-216-057-00 RES, CHIP 2.2K 5% 1/10W 585 1-216-061-00 RES, CHIP 3.3K 5% 1/10W 586 1-216-295-91 SHORT 590 1-216-295-91 SHORT 591 1-216-295-91 SHORT 592 1-216-091-00 RES, CHIP 56K 5% 1/10W 593 1-216-043-91 RES, CHIP 560 5% 1/10W 594 1-216-295-91 SHORT 595 1-216-295-91 SHORT	3583		,							
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594 1-216-295-91 SHORT 595 1-216-295-91 SHORT	3592						1			
595 1-216-295-91 SHORT	3593			560	5%	1/10W				
	3594	1-216-295-91	SHORT							
	1505	1-216-205-01	SHORT							
1 2 10 200 0 1 GHOM										
		. 2.0 200 01	5.15111							

COMPLETE PARTS LISTING UY

REF.NO. PART NO. DESCRIPTION REMARK



PIP SCHEMATIC (FOR UY MAIN COMPONENTS SEE PAGE 114)

- * A-1394-938-A UY BOARD, COMPLETE (KV-32FS10/34FV10/36FS10 only)
- * A-1394-943-A UY BOARD, COMPLETE (KV-32FV15/36FV15 only)
- * A-1394-944-A UY BOARD, COMPLETE (KV-34FV15/34FV15C/34FV15K/34FV15T/38FV15K only)

CAPACITOR

C3301	1-104-664-11	ELECT	47µF	20%	25V
C3302	1-163-031-11	CERAMIC	0.01µF		50V
C3319	1-163-031-11	CERAMIC	0.01µF		50V
C3320	1-126-960-11	ELECT	1µF	20%	50V
C3321	1-163-231-11	CERAMIC	15pF	5%	50V
C3322	1-163-231-11	CERAMIC	15pF	5%	50V
(KV-3	2FV15/36FV153	4FV15/34FV15	C/34FV15K/34FV	15T/38FV15k	(only)

C3323 1-163-031-11 CERAMIC 0.01µF 50V (KV-32FV15/36FV1534FV15/34FV15C/34FV15K/34FV15T/38FV15K only)

C3324	1-126-926-11	ELECT	1000µF	20%	10V
C3325	1-126-926-11	ELECT	1000µF	20%	10V
C3328	1-126-925-11	ELECT	470µF	20%	10V
C3329	1-104-664-11	ELECT	47µF	20%	16V
C3330	1-163-031-11	CERAMIC	0.01µF		50V
(KV-3	2FV15/36FV153	4FV15/34FV	15C/34FV15K/34FV1	5T/38FV15k	(only)

C3331	1-104-664-11	ELECT	47µF	20%	16V
C3332	1-104-664-11	ELECT	47µF	20%	25V
C3334	1-163-031-11	CERAMIC	0.01µF		50V
C3340	1-163-031-11	CERAMIC	0.01µF		50V
C3342	1-163-009-11	CERAMIC	0.001µF	10%	50V
(KV-3	2FV15/36FV153	4FV15/34FV1	5C/34FV15K/34FV1	5T/38FV15K	(only)

C3346	1-163-251-11	CERAMIC	100pF	5%	50V
C3347	1-126-960-11	ELECT	1µF	20%	50V
C3348	1-104-664-11	ELECT	47µF	20%	16V
C3349	1-163-249-11	CERAMIC	82pF	5%	50V
C3350	1-164-004-11	CERAMIC	0.1µF	10%	25V
(KV-3	2FV15/36FV153	4FV15/34FV1	5C/34FV15K/34FV	15T/38FV15k	(only)

C3352	1-163-031-11	CERAMIC	0.01µF		50V
C3353	1-126-960-11	ELECT	1µF	20%	50V
C3354	1-163-031-11	CERAMIC	0.01µF		50V
C3355	1-126-967-11	ELECT	47µF	20%	50V
C3356	1-163-038-91	CERAMIC	0.1µF		25V
(KV-32	2FV15/36FV153	4FV15/34FV1	5C/34FV15K/34FV	15T/38FV15K	(only)

C3357	1-163-038-91	CERAMIC	0.1µF	25V
C3358	1-163-038-91	CERAMIC	0.1µF	25V
C3359	1-163-038-91	CERAMIC	0.1µF	25V
C3360	1-163-038-91	CERAMIC	0.1µF	25V
C3361	1-163-038-91	CERAMIC	0.1µF	25V
(KV-32	2FV15/36FV153	4FV15/34FV1	5C/34FV15K/34FV15T/	38FV15K only)

REF.NO.	PART NO.	DESCRIF	PTION	REMA	<u>ARK</u>
C3362	1-126-967-11	ELECT	47µF	20%	50V
C3363	1-163-031-11	CERAMIC	0.01µF		50V
C3364	1-163-229-11	CERAMIC	12pF	5%	50V
C3365	1-163-133-00	CERAMIC	470pF	5%	50V
C3366	1-126-959-11	ELECT	0.47µF	20%	50V
(KV-32	EV15/36FV153	4FV15/34FV1	5C/34FV15K/34FV1	5T/38FV15K	(only)

C3367	1-126-963-11	ELECT	4.7µF	20%	50V
C3368	1-164-005-11	CERAMIC	0.47µF		25V
C3369	1-163-251-11	CERAMIC	100pF	5%	50V
C3370	1-126-960-11	ELECT	1μF	20%	50V
C3371	1-163-017-00	CERAMIC	0.0047µF	10%	50V
C3372	1-164-005-11	CERAMIC	0.47µF		25V
(KV-32	2FV15/36FV15/3	34FV15/34FV	15C/34FV15K/34FV1	5T/38FV15	K only)

C3377	1-164-004-11	CERAMIC	0.1µF	10%	25V
C3378	1-163-006-11	CERAMIC	560pF	10%	50V
C3380	1-164-004-11	CERAMIC	0.1µF	10%	25V
C3381	1-163-019-00	CERAMIC	0.0068µF	10%	50V
C3382	1-164-344-11	CERAMIC	0.068µF	10%	25V
C3383	1-126-956-91	ELECT	0.1µF	20%	50V
(KV-3	2FV15/36FV15	only)			

C3385 1-126-941-11 ELECT 470µF 20% 25V (KV-32FV15/36FV15/34FV15/34FV15C/34FV15K/34FV15T/38FV15K only)

FERRITE BEAD

FB3301 1-414-234-22 INDUCTOR FB3302 1-414-234-22 INDUCTOR (KV-32FV15/36FV15/34FV15/34FV15C/34FV15K/34FV15T/38FV15K only)

<u>IC</u>

IC3302 8-759-358-38 IC NJM78M05DLA(TE1)
IC3303 8-759-533-89 IC SDA9288XE-GEG-B12
IC3304 8-752-086-80 IC CXA2019AQ-T4
(KV-32FV15/36FV15/34FV15/34FV15C/34FV15K/34FV15T/38FV15K only)

IC3307 8-759-575-50 IC Z8613012SSC (KV-32FV15/36FV15 only) IC3308 8-759-932-69 IC BU4053BCF-T2 (KV-32FV15/36FV15/34FV15/34FV15C/34FV15K/34FV15T/38FV15K only)

COIL

1-414-856-11	INDUCTOR	10µH
1-410-473-11	INDUCTOR	18μH
1-410-473-11	INDUCTOR	18µH
1-408-619-31	INDUCTOR	220µH
1-414-857-11	INDUCTOR	100μH
1-414-856-11	INDUCTOR	10μH
2FV15/36FV15/	34FV15/34FV150	C/34FV15K/34FV15T/38FV15K only)
	1-410-473-11 1-410-473-11 1-408-619-31 1-414-857-11 1-414-856-11	1-410-473-11 INDUCTOR 1-410-473-11 INDUCTOR 1-408-619-31 INDUCTOR 1-414-857-11 INDUCTOR 1-414-856-11 INDUCTOR



KEF.N	O. PART NO.	. <u>DESCRI</u>	<u>PTION</u>	<u>R</u>	<u>EMARK</u>
	TRANSIST	<u>OR</u>			
Q3301	8-729-422-27	TRANSISTOR	2SD601A-Q		
Q3302	8-729-216-22	TRANSISTOR	2SA1162-G		
	8-729-216-22				
Q3306	8-729-216-22	TRANSISTOR	2SA1162-G		
(KV-32	FV15/36FV15/3	4FV15/34FV150	C/34FV15K/34F	V15T/38FV15	K only)
	8-729-216-22				
Q3310	8-729-422-27	TRANSISTOR	2SD601A-Q		
	8-729-216-22				
Q3314	8-729-216-22	TRANSISTOR	2SA1162-G		
(KV-32	FV15/36FV15/3	4FV15/34FV150	C/34FV15K/34F	V15T/38FV15	K only)
	8-729-422-27 2FV15/36FV15		2SD601A-Q		
(144-52	RESISTOR	• ,			
	1-216-295-91 FV15/36FV15/3		C/34FV15K/34F	V15T/38FV15	K onlv)
,	1-216-295-91				- ,,
	1-216-295-91				
R3305	1-216-057-00	RES, CHIP	2.2K	5%	1/10W
R3306	1-216-295-91	SHORT			
(KV-32	FV15/36FV15/3	4FV15/34FV150	C/34FV15K/34F	V15T/38FV15	K only)
D2200	1-216-295-91	SHORT			
	2FV15/36FV15				
(KV-32 R3309	2FV15/36FV15 (1-216-041-00	RES, CHIP	470	5%	
(KV-32 R3309 R3312	1-216-041-00 1-216-037-00	RES, CHIP RES, CHIP	470 330	5% 5%	
(KV-32 R3309 R3312 R3313	1-216-041-00 1-216-037-00 1-216-295-91	RES, CHIP RES, CHIP SHORT			
(KV-32 R3309 R3312 R3313	1-216-041-00 1-216-037-00	RES, CHIP RES, CHIP SHORT			1/10W
(KV-3: R3309 R3312 R3313 R3314	1-216-041-00 1-216-037-00 1-216-295-91	RES, CHIP RES, CHIP SHORT RES, CHIP	330	5%	1/10W
R3309 R3312 R3313 R3314 R3320	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT	330 1K	5% 5%	1/10W
R3309 R3312 R3313 R3314 R3320 (KV-32	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15	330 1K C/34FV15K/34I 4.7K	5% 5% FV15T/38FV15 5%	1/10W 1/10W 5K only) 1/10W
R3309 R3312 R3313 R3314 R3320 (KV-32	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15	330 1K C/34FV15K/34I 4.7K	5% 5% FV15T/38FV15 5%	1/10W 1/10W 5K only) 1/10W
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3322	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-295-91	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT	330 1K C/34FV15K/34I 4.7K	5% 5% FV15T/38FV15 5%	1/10W 1/10W 5K only) 1/10W
R3309 R3312 R3313 R3314 R3320 (KV-32 KV-32 R3322 R3322	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT	330 1K C/34FV15K/34I 4.7K	5% 5% FV15T/38FV15 5%	1/10W 1/10W 5K only) 1/10W
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 (KV-32	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-295-91	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT 36FS10 only)	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5%	1/10W 1/10W 5K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3322 (KV-32 R3323 (KV-32	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-065-91 FV15/36FV15/3	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT 36FS10 only)	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K	5% 5% FV15T/38FV15 5% V15T/38FV15I	1/10W 1/10W 5K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-065-91 FV15/36FV15/3 1-216-055-91 FV15/36FV15/3 1-216-295-91	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT SHORT	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K	5% 5% FV15T/38FV15 5% V15T/38FV15I	1/10W 1/10W 5K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-065-91 FV15/36FV15/3	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT SHORT	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K	5% 5% FV15T/38FV15 5% V15T/38FV15I	1/10W 1/10W 5K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323 (KV-32 R3324	2FV15/36FV15 (2) 1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 2FS10/34FV10/3 1-216-065-91	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only)	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5% V15T/38FV15 V15T/38FV15	1/10W 1/10W 5K only) 1/10W K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323 (KV-32 R3324	2FV15/36FV15 (2) 1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV10/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only)	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5% V15T/38FV15 V15T/38FV15	1/10W 1/10W 5K only) 1/10W K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323 (KV-32 R3324 (KV-32 R3324	2FV15/36FV15 (2) 1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only)	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5% V15T/38FV15 V15T/38FV15	1/10W 1/10W 5K only) 1/10W K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323 (KV-32 R3324 (KV-32 R3324 (KV-32	1-216-041-00 1-216-037-00 1-216-295-91 1-216-295-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 FV15/36FV15/3 1-216-295-91 FV15/36FV15/3 1-216-295-91	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT 34FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only)	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5% V15T/38FV15 V15T/38FV15	1/10W K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323 (KV-32 R3324 (KV-32 R3324 (KV-32 R3324 (KV-32 R3324	2FV15/36FV15 (2) 1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT BES, CHIP SHORT RES, CHIP SHORT RES, CHIP SHORT RES, CHIP 4FV15/34FV150 SHORT 36FS10 only)	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5% V15T/38FV15 V15T/38FV15 5% V15T/38FV15	1/10W 1/10W 5K only) 1/10W K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323 (KV-32 R3324 (KV-32 R3324 (KV-32 R3324 (KV-32 R3325 (KV-32	2FV15/36FV15 (2) 1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5% V15T/38FV15 V15T/38FV15 5% V15T/38FV15	1/10W 1/10W 5K only) 1/10W K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323 (KV-32 R3324 (KV-32 R3324 (KV-32 R3325 (KV-32	1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT B4FV15/34FV15 RES, CHIP 4FV15/34FV15(SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP 6DIY) RES, CHIP 6DIY SHORT	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5% V15T/38FV15 V15T/38FV15 5% V15T/38FV15	1/10W 1/10W 5K only) 1/10W K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323 (KV-32 R3324 (KV-32 R3324 (KV-32 R3325 (KV-32	1-216-041-00 1-216-037-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-065-91 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-0591 FV15/36FV15/3 1-216-295-91 2FS10/34FV10/3 1-216-025-91 2FS10/34FV10/3 1-216-025-91 2FS10/36FV15/3 1-216-025-91 2FS10/36FV15/3	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT RES, CHIP	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5% V15T/38FV15 V15T/38FV15 V15T/38FV15 5%	1/10W 1/10W SK only) 1/10W K only) 1/10W K only) 1/10W K only)
R3309 R3312 R3313 R3314 R3320 (KV-32 R3322 (KV-32 R3323 (KV-32 R3323 (KV-32 R3324 (KV-32 R3324 (KV-32 R3324 (KV-32 R3325 (KV-32 R3325 (KV-32	2FV15/36FV15 of 1-216-041-00 1-216-037-00 1-216-295-91 1-216-049-91 1-216-295-91 2FV15/36FV15/3 1-216-065-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-295-91 2FS10/34FV10/3 1-216-059-91 2FS10/34FV10/3 1-216-059-91 2FS10/34FV10/3 1-216-059-91 2FS10/34FV10/3 1-216-059-91 2FS10/34FV10/3 1-216-059-91 1-216-069-00	RES, CHIP RES, CHIP SHORT RES, CHIP SHORT B4FV15/34FV15 RES, CHIP 4FV15/34FV150 SHORT 36FS10 only) RES, CHIP Only) SHORT RES, CHIP RES, CHIP RES, CHIP	330 1K C/34FV15K/34I 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F 4.7K C/34FV15K/34F	5% 5% FV15T/38FV15 5% V15T/38FV15 5% V15T/38FV15 5% V15T/38FV15	1/10W 1/10W SK only) 1/10W K only) 1/10W K only) 1/10W 1/10W

(KV-32FV15/36FV15/34FV15/34FV15C/34FV15K/34FV15T/38FV15K only)

REF.NO.	PART NO.	DESCRIPT	ION	REMA	<u>ARK</u>
R3339	1-216-049-91	RES, CHIP	1K	5%	1/10\
R3340	1-216-041-00	RES, CHIP	470	5%	1/10\
R3341		RES, CHIP	2.2K	5%	1/10\
R3342		•	2.2K	5%	1/10\
R3343	1-216-049-91	RES, CHIP	1K	5%	1/10\
		34FV15/34FV150			
R3346	1-216-049-91	RES, CHIP	1K	5%	1/10\
R3350	1-216-295-91	SHORT		0,70	.,
	1-216-295-91	SHORT			
	1-216-049-91	RES, CHIP	1K	5%	1/10
	1-216-295-91	SHORT	П	370	1/10
		34FV15/34FV150	C/34FV15K/34F	V15T/38FV15k	(only)
D2257	1-216-295-91	SHORT			
			820	5%	1/10
R3358			820		
	1-216-047-91	,	820	5% 5%	1/10
	1-216-053-00		1.5K	5%	1/10
R3361	1-216-045-00	RES, CHIP	680	5%	1/10
(KV-32	FV15/36FV15/3	4FV15/34FV15C	/34FV15K/34F	V15T/38FV15K	only)
R3362	1-208-768-11		240	0.50%	1/10
R3363	1-208-766-11	RES, CHIP	220	0.50%	1/10
	1-208-769-11	RES, CHIP	300	0.50%	1/10
R3370	1-216-295-91	SHORT			
R3375	1-216-041-00	RES, CHIP	470	5%	1/10
(KV-32	FV15/36FV15/3	4FV15/34FV15C	/34FV15K/34F	V15T/38FV15K	only)
R3376	1-216-071-00	RES, CHIP	8.2K	5%	1/10
R3377	1-216-073-00	RES, CHIP	10K	5%	1/10
R3378	1-216-053-00	RES, CHIP	1.5K	5%	1/10
R3379	1-216-077-00	RES, CHIP	15K	5%	1/10
R3380	1-216-295-91	SHORT		0,0	.,
R3381	1-216-295-91	SHORT			
		4FV15/34FV15C	/34FV15K/34F	V15T/38FV15K	only)
·					
R3382	1-216-057-00		2.2K	5%	1/10
R3383	1-216-025-91	RES, CHIP	100	5%	1/10
R3384	1-216-033-00	RES, CHIP	220	5%	1/10
R3385	1-216-109-00	RES, CHIP	330K	5%	1/10
R3387	1-216-295-91	SHORT			
R3388	1-216-295-91	SHORT			
		4FV15/34FV15C	/34FV15K/34F	V15T/38FV15K	only)
R3392	1-216-295-91	SHORT			
R3393	1-216-025-91	RES, CHIP	100	5%	1/10
R3394	1-216-023-91	RES, CHIP	470	5%	1/10
	2FV15/36FV15		470	370	1/10
Dagge	4 040 004 04	DEC CUID	2.21/	F 0/	4/40
R3395 (KV-32)	1-216-061-91 FV15/36FV15/3	RES, CHIP 4FV15/34FV15C	3.3K /34FV15K/34F	5% V15T/38FV15K	1/10 only)
	1-216-069-00	RES, CHIP	6.8K	5%	1/10
R3398	1-216-025-91	RES, CHIP	100	5%	1/10
		0, 0, ,,,			
R3399		RES CHID	100	50/_	1/1/1
R3399 R3401	1-216-025-91	RES, CHIP	100	5% 5%	1/10
R3399 R3401 R3402		RES, CHIP RES, CHIP RES, CHIP	100 100 10K	5% 5% 5%	1/10 1/10 1/10

CRYSTAL

	X3302	1-760-095-21	VIBRATOR, CRYSTAL			
	X3303	1-577-611-11	OSCILLATOR CERAMIC			
	X3304	1-567-505-11	OSCILLATOR CRYSTAL			
-	(K\/-32E\/15/36E\/15/34E\/15/34E\/15C/34E\/15K/34E\/15T/38E\/15K only)					

COMPLETE PARTS LISTING WA

REF.NO. PART NO. DESCRIPTION REMARK



* A-1375-187-A WA BOARD, COMPLETE (All Models)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C941 C944 C946	1-126-942-61 1-126-964-11 1-104-665-11	ELECT ELECT ELECT	1000μF 10μF 100μF	20% 20% 20%	25V 50V 25V
C947	1-104-664-11	ELECT	47μF	20%	25V
C949	1-161-830-00	CERAMIC	0.0047µF	2070	500V
0040	1 101 000 00	OLIV WIIO	0.00+ημι		0001
C950	1-126-941-11	ELECT	470µF	20%	25V
C951	1-107-645-11	ELECT	22µF	20%	160V
C952	1-104-999-11	MYLAR	0.1µF	10%	200V
C953	1-106-383-00	MYLAR	0.047µF	10%	200V
C954	1-130-471-00	FILM	0.001µF	5%	50V
0055	4 407 007 44	FLEOT	0.0	000/	400)/
C955	1-107-667-11	ELECT	2.2µF	20%	160V
C956	1-130-471-00	FILM	0.001µF	5%	50V
C957	1-106-383-00	MYLAR	0.047µF	10%	200V
C958	1-126-941-11	ELECT CERAMIC CUID	470µF	20%	25V
C960	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C961	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C962	1-126-964-11	ELECT	10µF	20%	50V
C963	1-126-964-11	ELECT	10µF	20%	50V
C964	1-110-501-11	CERAMIC CHIP	0.33µF	10%	16V
C965	1-104-664-11	ELECT	47μF	20%	25V
			•		
C966	1-126-960-11	ELECT	1μF	20%	50V
C967	1-126-964-11	ELECT	10μF	20%	50V
C968	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C970	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C971	1-104-664-11	ELECT	47μF	20%	25V
C972	1-163-251-11	CERAMIC CHIP	100pF	5%	50V
C973	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C974	1-137-370-11	FILM	0.01µF	5%	50V
C976	1-130-967-00	FILM	0.0027µF	5%	50V
C977	1-104-760-11	CERAMIC CHIP	0.047µF	10%	50V
C1941	1-126-941-11	ELECT	470µF	20%	25V
C1946	1-136-165-00	FILM	0.1µF	5%	50V
C1947	1-136-165-00	FILM	0.1µF	5%	50V
C1948	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C1949	1-126-934-11	ELECT	220µF	20%	16V
C1961	1-129-725-00	FILM	0.082µF	5%	400V
C1962	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C1965	1-136-601-11	FILM	0.01µF	5%	630V
C1966	1-137-378-11	FILM	0.22µF	5%	50V
C1968	1-137-378-11	FILM	0.22µF	5%	50V
C1972	1-104-664-11	ELECT	47µF	20%	25V
C1974	1-104-664-11	ELECT	47μF	20%	25V
01314	1-104-004-11	LLLOI	- <i>τ</i> μι	20/0	201

REF.NO. PART NO. DESCRIPTION REMARK

CONNECTOR

CN941 * 1-564-511-11	PLUG, CONNECTOR 8P
CN942 * 1-564-508-11	PLUG, CONNECTOR 5P

CN961 * 1-770-723-11 CONNECTOR, BOARD TO BOARD 8P

CN981 * 1-564-506-11 PLUG, CONNECTOR 3P

DIODE

D941	8-719-991-33	DIODE 1SS133T-77
D943	8-719-991-33	DIODE 1SS133T-77
D944	8-719-991-33	DIODE 1SS133T-77
D945	8-719-109-89	DIODE RD5.6ESB2
D946	8-719-110-88	DIODE RD39ESB2
D947	8-719-110-88	DIODE RD39ESB2
D962	8-719-991-33	DIODE 1SS133T-77
D963	8-719-404-50	DIODE MA111-TX
D964	8-719-210-21	DIODE 11EQS04
D966	8-719-302-43	DIODE EL1Z

D1961 8-719-991-33 DIODE 1SS133T-77 D1962 8-719-991-33 DIODE 1SS133T-77

<u>IC</u>

IC961	8-759-803-42	IC LA6500-FA
IC962	8-759-729-03	IC NJM2903D
IC963	8-759-729-03	IC NJM2903D
IC964	8-759-700-42	IC NJM2904D
IC965	8-759-701-59	IC NJM78M09FA

COIL

L961 1-459-111-00 INDUCTOR 10MMH L964 1-406-989-21 INDUCTOR 10MMH

TRANSISTOR

Q941	8-729-422-27	TRANSISTOR	2SD601A-Q
Q942	8-729-216-22	TRANSISTOR	2SA1162-G
Q943	8-729-422-27	TRANSISTOR	2SD601A-Q
Q944	8-729-422-27	TRANSISTOR	2SD601A-Q
Q945	8-729-422-27	TRANSISTOR	2SD601A-Q
Q946	8-729-045-05	TRANSISTOR	2SA2005
Q947	8-729-045-04	TRANSISTOR	2SC5511
Q948	8-729-422-27	TRANSISTOR	2SD601A-Q
Q949	8-729-216-22	TRANSISTOR	2SA1162-G
Q961	8-729-422-27	TRANSISTOR	2SD601A-Q
Q962	8-729-119-76	TRANSISTOR	2SA1175-HFE
Q963	8-729-119-76	TRANSISTOR	2SA1175-HFE
Q965	8-729-931-45	TRANSISTOR	IRF614
Q966	8-729-216-22	TRANSISTOR	2SA1162-G
Q967	8-729-140-97	TRANSISTOR	2SB734-34
Q968	8-729-422-27	TRANSISTOR	2SD601A-Q
Q969	8-729-422-27	TRANSISTOR	2SD601A-Q



The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.N	IO. PART NO). DESCRI	PTION	REN	<u>IARK</u>		REF.NO	. PART NO.	DESCRIPT	ΓΙΟΝ		RE	<u>MARK</u>
Q1961	8-729-140-97	TRANSISTOR	2SB734-34				R993	1-216-049-91	RES, CHIP		1K	5%	1/10W
Q1963	8-729-216-22	TRANSISTOR	2SA1162-G				R994	1-216-025-91	RES, CHIP		100	5%	1/10W
		TRANSISTOR					R995	1-216-051-00	RES, CHIP		1.2K	5%	1/10W F
		TRANSISTOR							,				
								1-260-312-11	CARBON		47	5%	1/2W F
Q1967	8-729-216-22	TRANSISTOR	25A1162-G				R1942	1-249-387-11	CARBON		3.3	5%	1/4W F
							R1943	1-249-414-11	CARBON		560	5%	1/4W F
	RESISTOR	_					R1944	1-249-432-11	CARBON		18K	5%	1/4W
							R1945	1-215-914-11	METAL OXIDE		330	5%	3W F
R943	1-216-033-00	RES, CHIP	220 5%	. 1	/10W		R1946	1-249-417-11	CARBON		1K	5%	1/4W F
R944	1-216-049-91	RES, CHIP	1K 5%		/10W			1-249-432-11	CARBON		18K	5%	1/4W
R945	1-216-049-91	RES, CHIP	1K 5%		/10W				07.11.2011			0,0	.,
						_	D10/19	1-249-414-11	CARBON		560	5%	1/4W
R946	1-215-886-11	METAL OXIDE				F							
R947	1-216-025-91	RES, CHIP	100 5%) 1	/10W			1-249-387-11	CARBON		3.3	5%	1/4W F
								1-249-401-11	CARBON		47	5%	1/4W F
R949	1-216-057-00	RES, CHIP	2.2K 5%	, 1	/10W			1-216-097-91	RES, CHIP		100K	5%	1/10W
R950	1-216-049-91	RES, CHIP	1K 5%	, 1	/10W		R1952	1-216-097-91	RES, CHIP	100K		5%	1/10W
R951	1-216-049-91	RES, CHIP	1K 5%	, 1	/10W								
R952	1-216-041-00	RES, CHIP	470 5%	, 1	/10W		R1953	1-216-085-00	RES, CHIP		33K	5%	1/10W
R953	1-216-021-00	RES, CHIP	68 5%	. 1	/10W		R1954	1-216-089-91	RES, CHIP		47K	5%	1/10W
11000	1 210 021 00	1120, 01 111	00 070		,			1-208-808-11	RES, CHIP		12K	0.50%	1/10W
R954	1-216-033-00	RES, CHIP	220 5%	4	/10W			1-216-057-00	RES. CHIP		2.2K	5%	1/10W
		,						1-216-295-91	SHORT		2.21	370	1/1000
R955	1-216-047-91	RES, CHIP	820 5%		/10W		K 1931	1-210-293-91	SHOKI				
R956	1-216-025-91	RES, CHIP	100 5%		/10W		D.4050		DEC CUID		0.017	5 0/	4/4014/
R957	1-216-073-00	RES, CHIP	10K 5%		/10W			1-216-061-00	RES, CHIP		3.3K	5%	1/10W
R958	1-216-025-91	RES, CHIP	100 5%	, 1	/10W			1-216-073-00	RES, CHIP		10K	5%	1/10W
							R1960	1-216-037-00	RES, CHIP		330	5%	1/10W
R959	1-216-021-00	RES, CHIP	68 5%	, 1	/10W		R1961	1-208-824-11	RES, CHIP		56K	0.50%	1/10W
R960	1-216-065-91	RES, CHIP	4.7K 5%	, 1	/10W		R1962	1-208-806-11	RES, CHIP		10K	0.50%	1/10W
R961	1-216-091-00	RES, CHIP	56K 5%		/10W								
R962	1-216-081-00	RES, CHIP	22K 5%		/10W		D4062 /	1-216-033-00	DEC CLUD	220		5%	1/10W
R963	1-216-065-91	RES, CHIP	4.7K 5%		/10W								
K903	1-210-000-91	KES, CHIP	4./N 3%) I	/1000		R1964	1-216-057-00	RES, CHIP	2.2K		5%	1/10W
D004	4 040 070 00	DEO OUID	401/ 50/		/4.0\\			1-215-489-00	METAL		680K	1%	1/4W
R964	1-216-073-00	RES, CHIP	10K 5%		/10W		R1969	1-216-073-00	RES, CHIP		10K	5%	1/10W
R965	1-216-073-00	RES, CHIP	10K 5%		/10W		R1970	1-216-065-91	RES, CHIP		4.7K	5%	1/10W
R966	1-216-073-00	RES, CHIP	10K 5%	, 1	/10W								
R967	1-216-073-00	RES, CHIP	10K 5%	, 1	/10W		R1971	1-216-121-91	RES, CHIP		1M	5%	1/10W
R968	1-216-061-00	RES, CHIP	3.3K 5%	, 1	/10W			1-216-073-00	RES, CHIP		10K	5%	1/10W
								1-216-035-00	RES. CHIP		270	5%	1/10W
R969	1-216-025-91	RES, CHIP	100 5%	, 1	/10W			1-216-053-00	RES, CHIP		5.6K	5%	1/10W
R970	1-208-822-11	RES, CHIP			/10W						J.0N	370	1/1000
R971	1-216-049-91		1K 5%		/10W		K1976	1-216-295-91	SHORT				
R972	1-216-065-91	RES, CHIP	4.7K 5%		/10W		D		550 01115				
		RES, CHIP						1-216-025-91	RES, CHIP		100	5%	1/10W
R973	1-216-057-00	RES, CHIP	2.2K 5%) [/10W		R1980	1-216-041-00	RES, CHIP		470	5%	1/10W
D074	4 000 000 44	DE0 0111D	401/ 0.5	2007	/4.014/			1-216-081-00	RES, CHIP		22K	5%	1/10W
R974	1-208-808-11	RES, CHIP			/10W		R1982	1-216-081-00	RES, CHIP		22K	5%	1/10W
R975	1-216-073-00	RES, CHIP	10K 5%		/10W		R1983	1-216-073-00	RES, CHIP		10K	5%	1/10W
R976	1-216-057-00	RES, CHIP	2.2K 5%		/10W				*				
R977	1-249-401-11	CARBON	47 5%	, 1	/4W	F	R1984	1-216-089-91	RES, CHIP		47K	5%	1/10W
R978	1-216-073-00	RES, CHIP	10K 5%	, 1	/10W			1-216-097-91	RES, CHIP		100K	5%	1/10W
		•						1-208-818-11	RES, CHIP		33K	0.50%	1/10W
R979	1-216-033-00	RES, CHIP	220 5%	, 1	/10W			1-216-089-91	,				
R980	1-216-073-00	RES, CHIP	10K 5%		/10W				RES, CHIP		47K	5%	1/10W
R981	1-216-073-00	RES, CHIP	22K 5%		/10W		K1991	1-216-081-00	RES, CHIP		22K	5%	1/10W
		,					_						
R982	1-216-055-00	RES, CHIP	1.8K 5%		/10W			1-216-057-00	RES, CHIP		2.2K	5%	1/10W
R983	1-214-657-11	METAL	1 1%) 1	/4W		R2962	1-215-885-00	METAL OXIDE		68	5%	2W F
_						_	R2963	1-215-885-00	METAL OXIDE		68	5%	2W F
R984	1-249-383-11	CARBON	1.5 5%	, 1	/4W	F		1-216-065-91	RES, CHIP		4.7K	5%	1/10W
R985	1-215-421-00	METAL	1K 1%	, 1	/4W			1-216-065-91	RES, CHIP		4.7K	5%	1/10W
R986	1-216-057-00	RES, CHIP	2.2K 5%	, 1	/10W		555		0, 0,			0,0	.,
R988	1-215-429-00	METAL	2.2K 1%		/4W		R2060	1-216-065-91	RES, CHIP		4.7K	5%	1/10W
R990	1-216-025-91	RES, CHIP	100 5%		/10W								
	0 020 01	0, 01.111	100 070	. '				1-216-089-91	RES, CHIP		47K	5%	1/10W
R991	1-208-800-11	RES, CHIP	5.6K 0.5	0% 1	/10W			1-216-113-00	RES, CHIP		470K	5%	1/10W
R992		RES, CHIP					K2973	1-216-025-91	RES, CHIP		100	5%	1/10W
11332	1-208-794-11	NEO, OI IIF	3.3K 0.5	10%	/10W	122							
						477							

REMARK

REF.N	IO. PART NO	. DESCRIPTI	<u>ON</u>		REMARK
	1-216-061-00	RES, CHIP	3.3K	5%	1/10W
R2976	1-216-025-91	RES, CHIP	100	5%	1/10W
R2979	1-216-097-91	RES, CHIP	100K	5%	1/10W
R2980	1-216-097-91	RES, CHIP	100K	5%	1/10W

VARIABLE RESISTOR

RV941 1-238-019-11 RES, ADJ, CARBON 47K

ACCESSORIES AND PACKING MATERIAL

3-866-305-21 MANUAL, INSTRUCTION (English) (KV-32FS10/32FV15/32XBR250/36FS10/36FV15 only) 3-866-305-31 MANUAL, INSTRUCTION (French)

(KV-32FS10/32FV15/32XBR250/36FS10/36FV15/36XBR250 only)

3-866-305-41 MANUAL, INSTRUCTION (Spanish)

(KV-34FV10/34FV15/34FV15C34FX250C/38FX250/38FX250C only)

3-866-853-21 MANUAL, INSTRUCTION (KV-36XBR250 only)

3-866-931-61 MANUAL, INSTRUCTION

(KV-34FV15K/38FV15K only)

3-866-936-71 MANUAL, INSTRUCTION

(KV-34FV15T/38FX250T only)

4-041-259-01 PROTECTION BAG

(KV-32FS10/34FV15K/34FV15T only)

4-053-658-01 PROTECTION BAG

(KV-32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C only)

4-066-646-01 PROTECTION BAG

(KV-36FS10/36FV15/36XBR250/38FV15K/38FX250/38FX250C/

38FX250T only)

4-068-789-01 CUSHION ASSY, LOWER (KV-32FV15/32XBR250/34FV15K/34FV15T only)

4-068-789-11 CUSHION ASSY, LOWER

(KV-32FS10/34FV10/34FV15/34FV15C only)

4-068-884-01 CUSHION ASSY, LOWER (KV-36FS10 only)

4-069-389-01 CUSHION ASSY, LOWER

(KV-34FX250C/36FV15/36XBR250/38FV15K/38FX250/38FX250C/38FX250T only)

4-068-786-01 CUSHION ASSY, UPPER

(KV-32FV15/32XBR250/34FV15K/34FV15T/34FX250C only)

4-068-786-11 CUSHION ASSY, UPPER

(KV-32FS10/34FV10/34FV15/34FV15C only)

4-068-883-01 CUSHION ASSY, UPPER (KV-36FS10 only)

4-069-390-01 CUSHION ASSY, UPPER

(KV-36FV15/36XBR250/38FV15K/38FX250/38FX250C/38FX250T only)

4-069-471-01 CARTON

(KV-32FV15/34FV15K/34FV15T only)

4-069-471-11 CARTON

(KV-32FS10/34FV10/34FV15/34FV15C only)

4-069-515-01 CARTON

(KV-36FS10/36FV15/38FV15K/38FX250/38FX250C/38FX250Tonly)

4-070-553-01 CARTON

(KV-32XBR250/34FX250C only)

4-071-107-01 CARTON (KV-36XBR250 only)

REMOTE COMMANDER

REF.NO. PART NO.

1-418-387-11 REMOTE COMMANDER (RM-Y168)

DESCRIPTION

(KV-32FS10/34FV10/36FS10 only) 1-418-465-11 REMOTE COMMANDER (RM-Y170)

(KV-32XBR250/34FX250C/36XBR250/38FX250/38FX250C/38FX250T only)

1-418-496-11 REMOTE COMMANDER (RM-Y171)

(KV-32FV15/34FV15/34FV15C/34FV15K/34FV15T/36FV15 only)

(KV-32FV15/34FV15/34FV15C/34FV15K/34FV151/36FV15 (1-475-069-21 REMOTE COMMANDER (RM-Y149A)

(KV-38FV15K only)

4-978-977-01 BATTERY COVER (for remote) (RM-Y149A/RM-Y168/RM-Y170/RM-Y171)

KV-32FS10/32FV15/32XBR250/34FV10/34FV15/34FV15C/34FX250C/34FV15K 34FV15T/36FS10/36FV15/36XBR250/38FX250/38FX250C/38FX250T/38FV15K **NOTES:**

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AA2W Chassis

<u>MODEL</u>	<u>DEST</u>	<u>COMMANDER</u>	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	E	RM-Y168	SCC-S34E-A
KV-34FV15	E	RM-Y171	SCC-S34F-A
KV-34FV15C	E	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	E	RM-Y170	SCC-S34H-A
KV-38FX250	E	RM-Y170	SCC-S34M-A
KV-38FX250C	E	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A

CORRECTION-1

SUBJECT: A Board Schematic - Critical Component Identified

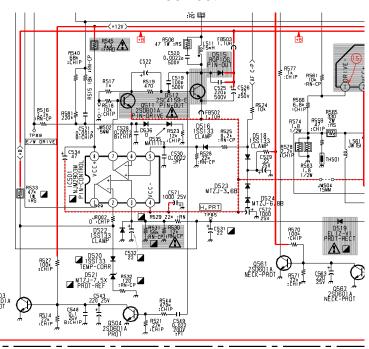
Correct the service manual as shown. File this Correction with the service manual.



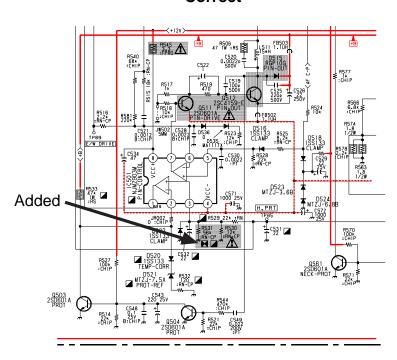


Section 6: Schematic Diagram (Page 46) A Board Critical Component Symbol Added

Incorrect



Correct



Sony Corporation

Sony Technology Center Product Quality Division Service Promotion Department

AA-2W CHASSIS

<u>MODEL</u>	DEST.	<u>COMMANDER</u>	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	E	RM-Y168	SCC-S34E-A
KV-34FV15	E	RM-Y171	SCC-S34F-A
KV-34FV15C	E	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	E	RM-Y170	SCC-S34H-A
KV-38FX250	E	RM-Y170	SCC-S34M-A
KV-38FX250C	E	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A

CORRECTION-2

Subject: IC002 Part Number Correction

Correct the service manual as shown. File this correction with the service manual.



SECTION 8 ELECTRICAL PARTS LIST (PAGE 87)

INCORRECT	CORRECT

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO. DESCRIPTION	REMARK
IC001	8-752-903-74	IC CXP85856A-024Q		IC001 - 8-752-906-87 CXP85856A-029S	

AA2W CHASSIS

<u>MODEL</u>	<u>DEST</u>	<u>COMMANDER</u>	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	Ε	RM-Y168	SCC-S34E-A
KV-34FV15	Ε	RM-Y171	SCC-S34F-A
KV-34FV15C	E	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	E	RM-Y170	SCC-S34H-A
KV-38FX250	E	RM-Y170	SCC-S34M-A
KV-38FX250C	E	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A

CORRECTION-3

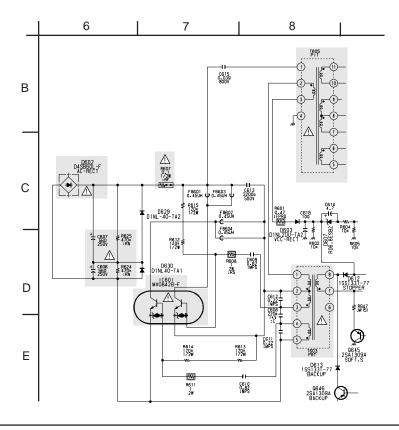
SUBJECT: G Board Schematic Correction

Correct the service manual as shown. File this Correction with the service manual.

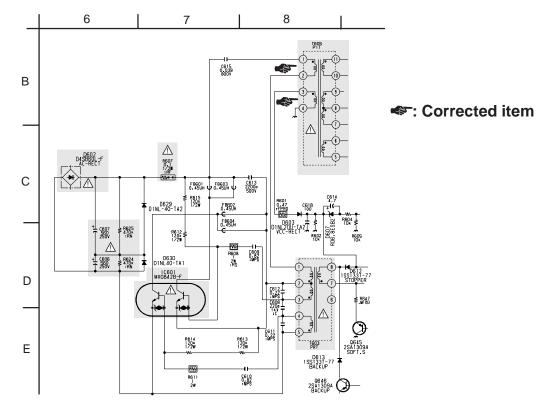


Section 6-7: G BOARD SCHEMATIC DIAGRAM PAGE 55
(KV-32FS10/32FV15/32XBR250/34FV15T/36FS10/36FV15/36XBR250/38FX250T ONLY)

Incorrect



Correct



Sony Corporation

Sony Technology Center Product Quality Division Service Promotion Department

AA2W CHASSIS

<u>MODEL</u>	<u>DEST</u>	COMMANDER	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	Ε	RM-Y168	SCC-S34E-A
KV-34FV15	Ε	RM-Y171	SCC-S34F-A
KV-34FV15C	Ε	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	Ε	RM-Y170	SCC-S34H-A
KV-38FX250	E	RM-Y170	SCC-S34M-A
KV-38FX250C	Ε	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A

CORRECTION- 4

SUBJECT: Corrections to Set-up Adjustments

Correct the service manual as shown. File this Correction with the service manual.

TRINITRON® COLOR TV

SONY®

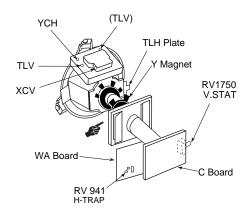
SECTION 3 SET-UP ADJUSTMENTS

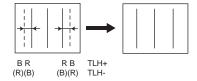
: Corrected item

3-2: CONVERGENCE

(4) TLH Plate Adjustment (page 19)

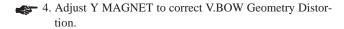
- Input a crosshatch pattern.
- Adjust PICTURE QUALITY to standard, PICTURE and BRIGHTNESS to 50% and OTHER to standard.
- Adjust the Horizontal Convergence of red and blue dots by tilting the TLH plate on the deflection yoke.





- 1. Adjust XCV core to balance X axis.
- 2. Adjust YCH VR to balance Y axis.
- 3. Adjust vertical red and blue convergence with V.TILT (TLV VR.)

Perform adjustments while tracking items 1 and 2.

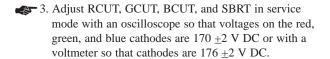


5. Adjust H-TRAP (VR-941) to correct H.TRAPEZOID Geometry Distortion.

After adjusting items 4 and 5, confirm overall geometry again.

3-4: SCREEN (G2) (page 20)

- 1. Input dot pattern from the pattern generator.
- 2. Set the user controls to normal.



- 4. Observe the screen and adjust SCREEN (G2) VR to obtain the fairly visible background of dot signal.
- Push the TEST +JUMP (+Channel) to cut off the signal, then the screen is bright or dark. Brightness of raster must be increased when adjusting.
- 6. Adjust screen VR until the screen is just cut off, or scarcely lights up. A signal cannot be seen when the brightness of the raster is high.
- 7. Push the JUMP again to release the cut off.

AA2W chassis

<u>MODEL</u>	<u>DEST</u>	<u>COMMANDER</u>	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	E	RM-Y168	SCC-S34E-A
KV-34FV15	E	RM-Y171	SCC-S34F-A
KV-34FV15C	E	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	Ε	RM-Y170	SCC-S34H-A
KV-38FX250	E	RM-Y170	SCC-S34M-A
KV-38FX250C	E	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A

CORRECTION-5

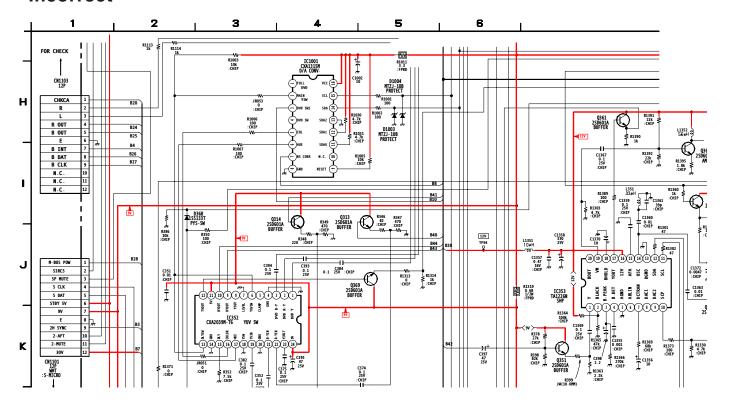
SUBJECT: A Board Schematic Correction

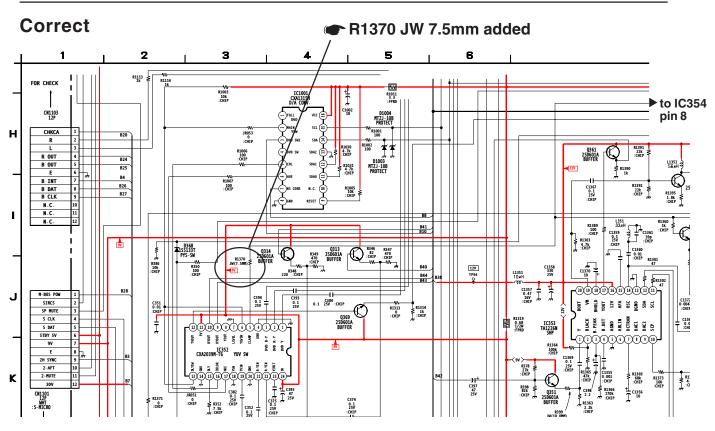
Correct the service manual as shown. File this Correction with the service manual.



Section 6-7: A BOARD SCHEMATIC DIAGRAM PAGE 45

Incorrect





Sony Corporation

Sony Technology Center Technical Services Service Promotion Department

AA-2W CHASSIS

<u>MODEL</u>	<u>DEST</u>	COMMANDER	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-36FS10	HAWAII	RM-Y168	SCC-S32HA
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	E	RM-Y168	SCC-S34E-A
KV-34FV15	E	RM-Y171	SCC-S34F-A
KV-34FV15C	Е	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-36FV15	HAWAII	RM-Y171	SCC-S32JA
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	E	RM-Y170	SCC-S34H-A
KV-38FX250	E	RM-Y170	SCC-S34M-A
KV-38FX250C	Е	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A
KV-36XBR250	HAWAII	RM-Y170	SCC-S32KA

CORRECTION - 6

SUBJECT: Addition of Hawaiian models; IC001
Part Number Correction; Addition of ITC Assembly
P/N for Hawaiian models

Correct the service manual as shown. File this Correction with the service manual.

Corrected Item



Section7: Exploded View - Page 82

7-3: Picture Tube

Incorrect Correct

REF. NO PAR	Г <u> NO.</u>	DESCRIPTION	REMARKS	REF. NO	PART NO.	DESCRIPTIO	N REMAR
> Needs to be	e Added			60 △		ITC 38RSN-A1M	
					(Hawaiian mo	• ,	
> Needs to be	e Added			61 ∧		CRT 38RSN (A90	LPW80X)
					(Hawaiian mo	dels only)	
> Needs to be	e Added			.62 ∧		DY Y38RSA-X	
					(Hawaiian mo	dels only)	

Section 8: Electrical Parts List - Page 87

Incorrect			Correct				
REF. NO	PART NO.	DESCRIPTION	REMARKS	REF. NO	PART NO.	DESCRIPTION	<u>REMARKS</u>
IC001	8-752-906-87	IC CXP85856A-0	029S	IC001	8-752-911-19	IC CXP85856A	-035S

AA-2W CHASSIS

<u>MODEL</u>	<u>DEST</u>	<u>COMMANDER</u>	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-36FS10	HAWAII	RM-Y168	SCC-S32HA
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	E	RM-Y168	SCC-S34E-A
KV-34FV15	E	RM-Y171	SCC-S34F-A
KV-34FV15C	E	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-36FV15	HAWAII	RM-Y171	SCC-S32JA
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	E	RM-Y170	SCC-S34H-A
KV-38FX250	E	RM-Y170	SCC-S34M-A
KV-38FX250C	E	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A
KV-36XBR250	HAWAII	RM-Y170	SCC-S32KA

CORRECTION - 7

SUBJECT: Tuner and Terminal labels for rear cover must be ordered separately using the part numbers provided on this correction sheet.

Correct the service manual as shown. File this Correction with the service manual.



Section 7: Exploded View - Page 80

7-2: CHASSIS (36" - 38" models only)

: Corrected Item

Correct Incorrect REF NO. PART NO. **DESCRIPTION** REF NO. PART NO. **DESCRIPTION** 20 4-068-998-01 COVER, REAR 20 4-068-998-03 COVER, REAR (**SEE NOTE BELOW) Not Listed ----> Needs to be Added 4-070-354-01 TUNER TERMINAL LABEL (KV-36FS10) 21 TUNER TERMINAL LABEL (except KV-35FS10) 4-070-353-01 Not Listed ----> Needs to be Added 22 4-070-352-51 TERMINAL LABEL (KV-36FS10)

4-070-352-31

4-070-352-41

TERMINAL LABEL (KV-36FV15, 38FV15K)

TERMINAL LABEL (KV-36XBR250, 38FX250/A/C/T)

^{**} The rear cover does not include any terminal labels. These labels (items 21 and 22) must be ordered separately when ordering a replacement rear cover.

AA-2W CHASSIS

<u>MODEL</u>	<u>DEST</u>	<u>COMMANDER</u>	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	Ε	RM-Y168	SCC-S34E-A
KV-34FV15	Ε	RM-Y171	SCC-S34F-A
KV-34FV15C	Ε	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	Ε	RM-Y170	SCC-S34H-A
KV-38FX250	Ε	RM-Y170	SCC-S34M-A
KV-38FX250C	Ε	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A

SUPPLEMENT - 1

SUBJECT: HZ Board, Picture Tube View and Electrical Parts List Update (Affects KV-34FV15K, 38FV15K only)

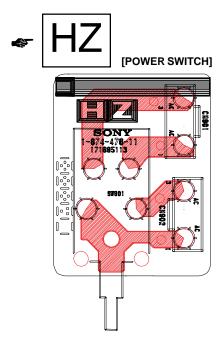
Correct the service manual as shown. File this Correction with the service manual.

: Modified Items



: Modified Items

Section 6-7. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS (KV-34FV15K and KV-38FV15K only)



HZ Board Schematic Diagram

1
2

CN901
WINTLOCK

A C BCK 3
N.C. 2
AC WHT 1

TO GA BOARD CN6004

CN902
WINTLOCK

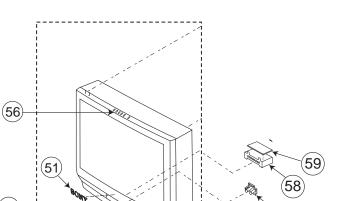
HZ POWER SWITCH

Section 7-3. PICTURE TUBE (Page 81)

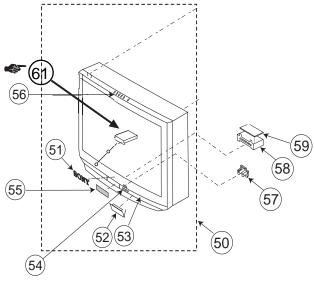
Incorrect

(52)(53)

(55)



Correct



Ref.	No Part No.	Description	Remarks	Ref. No	. Part No.	Description	Remarks
50	X-4036-679-2	BEZNET ASSY (KV-34FV15K only)	51-53	50	X-4036-811-2	BEZNET ASSY (KV-34FV15K only)	51-53
50	X-4036-684-1	BEZNET ASSY (KV-38FV15K only)	51-53	50	X-4037-186-2	BEZNET ASSY (KV-38FV15K only)	51-53
Needs	s to be added	>		61	4-068-995-01	BUTTON, MAIN POV	VER

(57)

(50)

: Modified Items

Section 8. ELECTRICAL PARTS LIST



* A-1372-667-A HZ BOARD, COMPLETE

(KV-34FV15K, 38FV15K only)

CONNECTOR

CN901* 1-573-963-11 PIN, CONNECTOR (PC BOARD) 3P CN902* 1-573-963-11 PIN, CONNECTOR (PC BOARD) 3P

SWITCH

SW901<u></u> 1-571-433-21 SWITCH, PUSH (AC POWER)

AA-2W CHASSIS

MODEL NAME	DESTINATION	REMOTE COMMANDER	CHASSIS NO.
KV-32FS10	U.S.	RM-Y168	SCC-S32B-A
KV-32FS10	CND	RM-Y168	SCC-S33B-A
KV-36FS10	U.S.	RM-Y168	SCC-S32C-A
KV-36FS10	CND	RM-Y168	SCC-S33C-A
KV-36FS10	HAWAII	RM-Y168	SCC-S32HA
KV-32FV15	U.S.	RM-Y171	SCC-S32D-A
KV-32FV15	CND	RM-Y171	SCC-S33D-A
KV-34FV10	Ε	RM-Y168	SCC-S34E-A
KV-34FV15	Ε	RM-Y171	SCC-S34F-A
KV-34FV15C	Ε	RM-Y171	SCC-S34G-A
KV-34FV15K	KOREA	RM-Y149A	SCC-S31B-A
KV-34FV15T	TAIWAN	RM-Y171	SCC-S36A-A
KV-36FV15	U.S.	RM-Y171	SCC-S32G-A
KV-36FV15	CND	RM-Y171	SCC-S33G-A
KV-36FV15	HAWAII	RM-Y171	SCC-S32JA
KV-38FV15K	KOREA	RM-Y149A	SCC-S31C-A
KV-34FX250C	Ε	RM-Y170	SCC-S34H-A
KV-38FX250	Ε	RM-Y170	SCC-S34M-A
KV-38FX250C	Ε	RM-Y170	SCC-S34J-A
KV-38FX250T	TAIWAN	RM-Y170	SCC-S36B-A
KV-32XBR250	U.S.	RM-Y170	SCC-S32E-A
KV-32XBR250	CND	RM-Y170	SCC-S33E-A
KV-36XBR250	U.S.	RM-Y170	SCC-S32F-A
KV-36XBR250	CND	RM-Y170	SCC-S33F-A
KV-36XBR250	HAWAII	RM-Y170	SCC-S32KA

CORRECTION - 1

SUBJECT: PART NUMBER CORRECTION

Correct the service manual as shown. File this Correction with the service manual.

: Corrected Item

Section 8: Electrical Parts List (Page 98)

INCORRECT

CORRECT

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
IC643	1-810-051-11	POWER MODULE DM-48	IC643	8-749-012-13	POWER MODULE DM-58